



**Minnesota Pollution  
Control Agency**

520 Lafayette Road North  
St. Paul, MN 55155-4194

# MS4 SWPPP Application for Reauthorization

for the NPDES/SDS General Small Municipal Separate  
Storm Sewer System (MS4) Permit MNR040000  
reissued with an effective date of August 1, 2013  
Stormwater Pollution Prevention Program (SWPPP) Document

Doc Type: Permit Application

**Instructions:** This application is for authorization to discharge stormwater associated with Municipal Separate Storm Sewer Systems (MS4s) under the National Pollutant Discharge Elimination System/State Disposal System (NPDES/SDS) Permit Program. **No fee** is required with the submittal of this application. Please refer to "Example" for detailed instructions found on the Minnesota Pollution Control Agency (MPCA) MS4 website at <http://www.pca.state.mn.us/ms4>.

**Submittal:** This *MS4 SWPPP Application for Reauthorization* form must be submitted electronically via e-mail to the MPCA at [ms4permitprogram.pca@state.mn.us](mailto:ms4permitprogram.pca@state.mn.us) from the person that is duly authorized to certify this form. All questions with an asterisk (\*) are required fields. All applications will be returned if required fields are not completed.

**Questions:** Contact Claudia Hochstein at 651-757-2881 or [claudia.hochstein@state.mn.us](mailto:claudia.hochstein@state.mn.us), Dan Miller at 651-757-2246 or [daniel.miller@state.mn.us](mailto:daniel.miller@state.mn.us), or call toll-free at 800-657-3864.

## General Contact Information (\*Required fields)

### MS4 Owner (with ownership or operational responsibility, or control of the MS4)

\*MS4 permittee name: Rice Creek Watershed District \*County: Anoka  
(city, county, municipality, government agency or other entity)

\*Mailing address: 4325 Pheasant Ridge Drive NE #611

\*City: Blaine \*State: MN \*Zip code: 55449

\*Phone (including area code): 763-398-3070 \*E-mail: pbelfiori@ricecreek.org

### MS4 General contact (with Stormwater Pollution Prevention Program [SWPPP] implementation responsibility)

\*Last name: Axtell \*First name: Kyle  
(department head, MS4 coordinator, consultant, etc.)

\*Title: Water Resource Specialist

\*Mailing address: 4325 Pheasant Ridge Drive NE #611

\*City: Blaine \*State: MN \*Zip code: 55449

\*Phone (including area code): 763-398-3072 \*E-mail: kaxtell@ricecreek.org

### Preparer information (complete if SWPPP application is prepared by a party other than MS4 General contact)

Last name: \_\_\_\_\_ First name: \_\_\_\_\_  
(department head, MS4 coordinator, consultant, etc.)

Title: \_\_\_\_\_

Mailing address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip code: \_\_\_\_\_

Phone (including area code): \_\_\_\_\_ E-mail: \_\_\_\_\_

## Verification

1. I seek to continue discharging stormwater associated with a small MS4 after the effective date of this Permit, and shall submit this *MS4 SWPPP Application for Reauthorization* form, in accordance with the schedule in Appendix A, Table 1, with the SWPPP document completed in accordance with the Permit (Part II.D.). ☒ Yes
2. I have read and understand the NPDES/SDS MS4 General Permit and certify that we intend to comply with all requirements of the Permit. ☒ Yes

## Certification (All fields are required)

---

- ☒ Yes - I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted.

*I certify that based on my inquiry of the person, or persons, who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.*

*I am aware that there are significant penalties for submitting false information, including the possibility of civil and criminal penalties.*

This certification is required by Minn. Stat. §§ 7001.0070 and 7001.0540. The authorized person with overall, MS4 legal responsibility must certify the application (principal executive officer or a ranking elected official).

By typing my name in the following box, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing my application.

Name: Phil Belfiori  
(This document has been electronically signed)

Title: Administrator Date (mm/dd/yyyy): 12/16/2013

Mailing address: 4325 Pheasant Ridge Drive NE #611

City: Blaine State: MN Zip code: 55449

Phone (including area code): 763-398-3071 E-mail: pbelfiori@ricecreek.org

**Note:** The application will not be  
processed without certification.

# Stormwater Pollution Prevention Program Document

## I. Partnerships: (Part II.D.1)

- A. List the **regulated small MS4(s)** with which you have established a partnership in order to satisfy one or more requirements of this Permit. Indicate which Minimum Control Measure (MCM) requirements or other program components that each partnership helps to accomplish (List all that apply). Check the box below if you currently have no established partnerships with other regulated MS4s. If you have more than five partnerships, hit the tab key after the last line to generate a new row.

☐ No partnerships with regulated small MS4s

Name and description of partnership	MCM/Other permit requirements involved
City of Hugo: Implements many of RCWD's Rules within the City's jurisdiction under a 2004 Memorandum of Understanding, including stormwater, floodplain, and wetland management activities. Hugo also acts as the WCA LGU under this agreement.	MCM 4 & MCM 5 (within Hugo jurisdiction)
City of Hugo: Carries out most minor maintenance of Anoka-Washington Judicial Ditch 2 (AWJD2) under a 2005 Memorandum of Agreement.	MCM 6.f (maintenance of AWJD2 only)

- B. If you have additional information that you would like to communicate about your partnerships with other regulated small MS4(s), provide it in the space below, or include an attachment to the SWPPP Document, with the following file naming convention: *MS4NameHere\_Partnerships*.

## II. Description of Regulatory Mechanisms: (Part II.D.2)

### Illicit discharges

- A. Do you have a regulatory mechanism(s) that effectively prohibits non-stormwater discharges into your small MS4, except those non-stormwater discharges authorized under the Permit (Part III.D.3.b.)? ☒ Yes ☐ No

1. If **yes**:

- a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

☐ Ordinance ☐ Contract language  
☐ Policy/Standards ☐ Permits  
☒ Rules  
☐ Other, explain: \_\_\_\_\_

- b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

*RCWD Rule H - Illicit Stormwater Discharge and Connection*

Direct link:

[http://www.ricecreek.org/vertical/Sites/%7BF68A5205-A996-4208-96B5-2C7263C03AA9%7D/uploads/FINAL\\_ADOPTED\\_RULE\\_06-26-2013.pdf](http://www.ricecreek.org/vertical/Sites/%7BF68A5205-A996-4208-96B5-2C7263C03AA9%7D/uploads/FINAL_ADOPTED_RULE_06-26-2013.pdf)

☒ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere\_IDDEreg*.

2. If **no**:

Describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

### Construction site stormwater runoff control

- A. Do you have a regulatory mechanism(s) that establishes requirements for erosion and sediment controls and waste controls? ☒ Yes ☐ No

1. If **yes**:

- a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

- ☐ Ordinance ☐ Contract language  
☐ Policy/Standards ☐ Permits  
☒ Rules  
☐ Other, explain: \_\_\_\_\_

- b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

*RCWD Rule D - Erosion and Sediment Control Plans*

Direct link:

[http://www.ricecreek.org/vertical/Sites/%7BF68A5205-A996-4208-96B5-2C7263C03AA9%7D/uploads/FINAL\\_ADOPTED\\_RULE\\_06-26-2013.pdf](http://www.ricecreek.org/vertical/Sites/%7BF68A5205-A996-4208-96B5-2C7263C03AA9%7D/uploads/FINAL_ADOPTED_RULE_06-26-2013.pdf)

- ☒ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere\_CSWreg*.

- B. Is your regulatory mechanism at least as stringent as the MPCA general permit to Discharge Stormwater Associated with Construction Activity (as of the effective date of the MS4 Permit)? ☒ Yes ☐ No

If you answered **yes** to the above question, proceed to C.

If you answered **no** to either of the above permit requirements listed in A. or B., describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

- C. Answer **yes** or **no** to indicate whether your regulatory mechanism(s) requires owners and operators of construction activity to develop site plans that incorporate the following erosion and sediment controls and waste controls as described in the Permit (Part III.D.4.a.(1)-(8)), and as listed below:

- |  |   |
|--|---|
| 1. Best Management Practices (BMPs) to minimize erosion.   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2. BMPs to minimize the discharge of sediment and other pollutants.  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3. BMPs for dewatering activities.   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. Site inspections and records of rainfall events   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5. BMP maintenance   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Management of solid and hazardous wastes on each project site.  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 7. Final stabilization upon the completion of construction activity, including the use of perennial vegetative cover on all exposed soils or other equivalent means. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 8. Criteria for the use of temporary sediment basins.  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

### Post-construction stormwater management

- A. Do you have a regulatory mechanism(s) to address post-construction stormwater management activities?  
☒ Yes ☐ No

1. If **yes**:

a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

- ☐ Ordinance ☐ Contract language  
☐ Policy/Standards ☐ Permits  
☒ Rules  
☐ Other, explain: \_\_\_\_\_

b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

*RCWD Rule C - Stormwater Management Plans*

Direct link:

[http://www.ricecreek.org/vertical/Sites/%7BF68A5205-A996-4208-96B5-2C7263C03AA9%7D/uploads/FINAL\\_ADOPTED\\_RULE\\_06-26-2013.pdf](http://www.ricecreek.org/vertical/Sites/%7BF68A5205-A996-4208-96B5-2C7263C03AA9%7D/uploads/FINAL_ADOPTED_RULE_06-26-2013.pdf)

☒ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere\_PostCSWreg*.

B. Answer **yes** or **no** below to indicate whether you have a regulatory mechanism(s) in place that meets the following requirements as described in the Permit (Part III.D.5.a.):

1. **Site plan review:** Requirements that owners and/or operators of construction activity submit site plans with post-construction stormwater management BMPs to the permittee for review and approval, prior to start of construction activity. ☒ Yes ☐ No
2. **Conditions for post construction stormwater management:** Requires the use of any combination of BMPs, with highest preference given to Green Infrastructure techniques and practices (e.g., infiltration, evapotranspiration, reuse/harvesting, conservation design, urban forestry, green roofs, etc.), necessary to meet the following conditions on the site of a construction activity to the Maximum Extent Practicable (MEP):
  - a. For new development projects – no net increase from pre-project conditions (on an annual average basis) of: ☒ Yes ☐ No
    - 1) Stormwater discharge volume, unless precluded by the stormwater management limitations in the Permit (Part III.D.5.a(3)(a)).
    - 2) Stormwater discharges of Total Suspended Solids (TSS).
    - 3) Stormwater discharges of Total Phosphorus (TP).
  - b. For redevelopment projects – a net reduction from pre-project conditions (on an annual average basis) of: ☒ Yes ☐ No
    - 1) Stormwater discharge volume, unless precluded by the stormwater management limitations in the Permit (Part III.D.5.a(3)(a)).
    - 2) Stormwater discharges of TSS.
    - 3) Stormwater discharges of TP.
3. **Stormwater management limitations and exceptions:**
  - a. Limitations
    - 1) Prohibit the use of infiltration techniques to achieve the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)) when the infiltration structural stormwater BMP will receive discharges from, or be constructed in areas: ☒ Yes ☐ No
      - a) Where industrial facilities are not authorized to infiltrate industrial stormwater under an NPDES/SDS Industrial Stormwater Permit issued by the MPCA.
      - b) Where vehicle fueling and maintenance occur.
      - c) With less than three (3) feet of separation distance from the bottom of the infiltration system to the elevation of the seasonally saturated soils or the top of bedrock.
      - d) Where high levels of contaminants in soil or groundwater will be mobilized by the infiltrating stormwater.
    - 2) Restrict the use of infiltration techniques to achieve the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)), without higher engineering review, sufficient to provide a functioning treatment system and prevent adverse impacts to groundwater, when the infiltration device will be constructed in areas: ☒ Yes ☐ No
      - a) With predominately Hydrologic Soil Group D (clay) soils.
      - b) Within 1,000 feet up-gradient, or 100 feet down-gradient of active karst features.

- c) Within a Drinking Water Supply Management Area (DWSMA) as defined in Minn. R. 4720.5100, subp. 13.
- d) Where soil infiltration rates are more than 8.3 inches per hour.
- 3) For linear projects where the lack of right-of-way precludes the installation of volume control practices that meet the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)), the permittee's regulatory mechanism(s) may allow exceptions as described in the Permit (Part III.D.5.a(3)(b)). The permittee's regulatory mechanism(s) shall ensure that a reasonable attempt be made to obtain right-of-way during the project planning process. ☒ Yes ☐ No
4. **Mitigation provisions:** The permittee's regulatory mechanism(s) shall ensure that any stormwater discharges of TSS and/or TP not addressed on the site of the original construction activity are addressed through mitigation and, at a minimum, shall ensure the following requirements are met:
- a. Mitigation project areas are selected in the following order of preference: ☒ Yes ☐ No
- 1) Locations that yield benefits to the same receiving water that receives runoff from the original construction activity.
  - 2) Locations within the same Minnesota Department of Natural Resource (DNR) catchment area as the original construction activity.
  - 3) Locations in the next adjacent DNR catchment area up-stream
  - 4) Locations anywhere within the permittee's jurisdiction.
- b. Mitigation projects must involve the creation of new structural stormwater BMPs or the retrofit of existing structural stormwater BMPs, or the use of a properly designed regional structural stormwater BMP. ☒ Yes ☐ No
- c. Routine maintenance of structural stormwater BMPs already required by this permit cannot be used to meet mitigation requirements of this part. ☒ Yes ☐ No
- d. Mitigation projects shall be completed within 24 months after the start of the original construction activity. ☒ Yes ☐ No
- e. The permittee shall determine, and document, who will be responsible for long-term maintenance on all mitigation projects of this part. ☒ Yes ☐ No
- f. If the permittee receives payment from the owner and/or operator of a construction activity for mitigation purposes in lieu of the owner or operator of that construction activity meeting the conditions for post-construction stormwater management in Part III.D.5.a(2), the permittee shall apply any such payment received to a public stormwater project, and all projects must be in compliance with Part III.D.5.a(4)(a)-(e). ☒ Yes ☐ No
5. **Long-term maintenance of structural stormwater BMPs:** The permittee's regulatory mechanism(s) shall provide for the establishment of legal mechanisms between the permittee and owners or operators responsible for the long-term maintenance of structural stormwater BMPs not owned or operated by the permittee, that have been implemented to meet the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)). This only includes structural stormwater BMPs constructed after the effective date of this permit and that are directly connected to the permittee's MS4, and that are in the permittee's jurisdiction. The legal mechanism shall include provisions that, at a minimum:
- a. Allow the permittee to conduct inspections of structural stormwater BMPs not owned or operated by the permittee, perform necessary maintenance, and assess costs for those structural stormwater BMPs when the permittee determines that the owner and/or operator of that structural stormwater BMP has not conducted maintenance. ☒ Yes ☐ No
- b. Include conditions that are designed to preserve the permittee's right to ensure maintenance responsibility, for structural stormwater BMPs not owned or operated by the permittee, when those responsibilities are legally transferred to another party. ☒ Yes ☐ No
- c. Include conditions that are designed to protect/preserve structural stormwater BMPs and site features that are implemented to comply with the Permit (Part III.D.5.a(2)). If site configurations or structural stormwater BMPs change, causing decreased structural stormwater BMP effectiveness, new or improved structural stormwater BMPs must be implemented to ensure the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)) continue to be met. ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within twelve (12) months of the date permit coverage is extended, these permit requirements are met:

### III. Enforcement Response Procedures (ERPs): (Part II.D.3)

- A. Do you have existing ERPs that satisfy the requirements of the Permit (Part III.B.)? ☒ Yes ☐ No
1. If **yes**, attach them to this form as an electronic document, with the following file naming convention: *MS4NameHere\_ERPs*.
  2. If **no**, describe the tasks and corresponding schedules that will be taken to assure that, with twelve (12) months of the date permit coverage is extended, these permit requirements are met:

- B. Describe your ERPs:

*Resolution 2009-05 was adopted by the RCWD Board to provide guidance to staff regarding permit enforcement procedures. Please see the attached resolution to review the ERPs.*

### IV. Storm Sewer System Map and Inventory: (Part II.D.4.)

- A. Describe how you manage your storm sewer system map and inventory:

*A map of RCWD's public drainage system is maintained in GIS, with the profile elevations, ditch sizes, pipe sizes and drainage areas mapped. The system is maintained by the RCWD's consulting engineer and staff has full access to the mapping system. Any changes to the system are documented and mapped immediately after the change occurs. All pipe sizes are noted, even those at 4" or below. The GIS map includes all lakes and wetlands, etc. within the RCWD and allows for immediate identification of the geographic coordinates with the click of a mouse.*

- B. Answer **yes** or **no** to indicate whether your storm sewer system map addresses the following requirements from the Permit (Part III.C.1.a-d), as listed below:

1. The permittee's entire small MS4 as a goal, but at a minimum, all pipes 12 inches or greater in diameter, including stormwater flow direction in those pipes. ☒ Yes ☐ No
2. Outfalls, including a unique identification (ID) number assigned by the permittee, and an associated geographic coordinate. ☒ Yes ☐ No
3. Structural stormwater BMPs that are part of the permittee's small MS4. ☒ Yes ☐ No
4. All receiving waters. ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

- C. Answer **yes** or **no** to indicate whether you have completed the requirements of 2009 Minnesota Session Law, Ch. 172. Sec. 28: with the following inventories, according to the specifications of the Permit (Part III.C.2.a.-b.), including:

1. All ponds within the permittee's jurisdiction that are constructed and operated for purposes of water quality treatment, stormwater detention, and flood control, and that are used for the collection of stormwater via constructed conveyances. ☒ Yes ☐ No
2. All wetlands and lakes, within the permittee's jurisdiction, that collect stormwater via constructed conveyances. ☒ Yes ☐ No

- D. Answer **yes** or **no** to indicate whether you have completed the following information for each feature inventoried.

1. A unique identification (ID) number assigned by the permittee. ☒ Yes ☐ No
2. A geographic coordinate. ☒ Yes ☐ No
3. Type of feature (e.g., pond, wetland, or lake). This may be determined by using best professional judgment. ☒ Yes ☐ No

If you have answered **yes** to all above requirements, and you have already submitted the Pond Inventory Form to the MPCA, then you do not need to resubmit the inventory form below.

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

- E. Answer **yes** or **no** to indicate if you are attaching your pond, wetland and lake inventory to the MPCA on the form provided on the MPCA website at: <http://www.pca.state.mn.us/ms4>, according to the specifications of Permit (Part III.C.2.b.(1)-(3)). Attach with the following file naming convention: *MS4NameHere\_inventory*. ☒ Yes ☐ No

If you answered **no**, the inventory form must be submitted to the MPCA MS4 Permit Program within 12 months of the date permit coverage is extended.

## V. Minimum Control Measures (MCMs) (Part II.D.5)

### A. MCM1: Public education and outreach

1. The Permit requires that, within 12 months of the date permit coverage is extended, existing permittees revise their education and outreach program that focuses on illicit discharge recognition and reporting, as well as other specifically selected stormwater-related issue(s) of high priority to the permittee during this permit term. Describe your **current** educational program, including **any high-priority topics included**:

*The RCWD started the Blue Thumb program in 2006 to help residents and municipalities achieve water quality goals and meet Clean Water Act mandates. The Blue Thumb program is the primary education and outreach tool used by the District to convey steps residents can take to combat stormwater runoff. The Blue Thumb website, posters, displays, banners, yard signs, brochures, bookmarks, stickers, newsletter articles and press releases are used regularly to educate area residents at community, District and state-wide events. The Blue Thumb program is also utilized by many other MS4 permittees across Minnesota as part of their public education and outreach effort.*

*The RCWD maintains a full-time Education, Outreach and Communication Coordinator position that facilitates the District's public education and outreach program, with assistance from other staff as needed.*

2. List the categories of BMPs that address your public education and outreach program, including the distribution of educational materials and a program implementation plan. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the U.S. Environmental Protection Agency's (EPA) *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Workshops and Presentations	The RCWD strives to host or contribute to ten stormwater and/or water quality related workshops and presentations each year, contingent on relevant topics and staff/partner availability.
Newspaper Articles	The RCWD provides articles to local newspapers and municipal newsletters on a monthly basis. Topics are relevant to the time of year and/or current projects the District is undertaking. The publishing rate of the articles by our cities is difficult to track directly and varies from month to month.
RCWD Website	The RCWD maintains a constantly updated website ( <a href="http://www.ricecreek.org">www.ricecreek.org</a> ) with information for District residents, youth, businesses and governmental partners. The website routinely receives over 12,000 unique visitors each year and just underwent a major overhaul to improve its user experience.
Blue Thumb Website	The Blue Thumb website ( <a href="http://www.bluthumb.org">www.bluthumb.org</a> ) routinely receives over 20,000 unique visitors each year.
Water Quality BMP Cost-Share Program	The RCWD budgets approximately \$150,000 annually to incentivize private water quality BMP installations through this program, at the direction of the Water Resource Specialist and SWCD partners. The RCWD has set a program goal of working with enough applicants to see 20 projects approved for cost-share funding annually.
Radio Ads	As funding is available, reach the public through advertisements on MN Public Radio (statewide audience: 600,000+) and the Twins Radio Network (metro area audience: 2,500,000+).
Television PSAs	As funding is available, reach the public through advertisements on Comcast Cable (statewide audience: 1,500,000+).
BMP categories to be implemented	Measurable goals and timeframes
RCWD Facebook Page	The RCWD intends to use Facebook as a venue to share photos and project updates with the public on a weekly basis. Pollution prevention topics will be scattered throughout as well.



Stormdrain Marking	The RCWD will provide stormdrain marking kits and equipment for volunteer groups. Ideally, two or more groups will volunteer annually. Permission to use the markers must first be obtained from the street authority (municipality).
--------------------	---

3. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

*Education, Outreach & Communication Coordinator*

## B. MCM2: Public participation and involvement

1. The Permit (Part III.D.2.a.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement a public participation/involvement program to solicit public input on the SWPPP. Describe your current program:

*The RCWD has annually held a public information meeting in June or July, concurrent with a regularly scheduled Board meeting, to describe the District's MS4 program, highlight activities for the previous year, and solicit public input. The RCWD anticipates continuing this approach due to its convenience for staff and the Board.*

2. List the categories of BMPs that address your public participation/involvement program, including solicitation and documentation of public input on the SWPPP. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). **If you have more than five categories**, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Annual Public Meeting	The RCWD will continue to hold an annual meeting concurrently with a regularly scheduled Board of Managers meeting.
Public Notice	The RCWD will comply with state laws and the Permit regarding public notice of the annual meeting.
Solicitation & Consideration of Public Input	The public will be encouraged to review and provide comment on the RCWD's SWPPP BMPs and ongoing stormwater management activities annually. Any comments received will be considered by staff and the Board of Managers. Any resulting changes to the SWPPP document will be incorporated annually in conjunction with the annual reporting timeline for the Permit.
BMP categories to be implemented	Measurable goals and timeframes
SWPPP Document Availability	In addition to making copies available in its office for public review, the RCWD will make its SWPPP Document available on its website during the MPCA public notice process and after permit coverage is extended.

3. Do you have a process for receiving and documenting citizen input? ☒ Yes ☐ No

If you answered **no** to the above permit requirement, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

4. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

*Water Resource Specialist*

## C. MCM 3: Illicit discharge detection and elimination

1. The Permit (Part III.D.3.) requires that, within 12 months of the date permit coverage is extended, existing permittees revise their current program as necessary, and continue to implement and enforce a program to detect and eliminate illicit discharges into the small MS4. Describe your current program:

*RCWD Rule H was adopted on June 26, 2013 and became effective on July 1, 2013. It prohibits illicit connections and discharges to the District's MS4 and establishes a policy to carry out inspection and monitoring procedures necessary to*

ensure compliance with the Rule. The RCWD has not yet undertaken the creation of a formal IDDE inspection program. Complaints are handled on a case-by-case basis at the current time. Necessary procedures take place when applicable, but there is no formal program. The RCWD will develop procedures and training for its IDDE program, consistent with the requirements in the Permit, within 12 months of the date permit coverage is extended.

2. Does your Illicit Discharge Detection and Elimination Program meet the following requirements, as found in the Permit (Part III.D.3.c.-g.)?
- a. Incorporation of illicit discharge detection into all inspection and maintenance activities conducted under the Permit (Part III.D.6.e.-f.) Where feasible, illicit discharge inspections shall be conducted during dry-weather conditions (e.g., periods of 72 or more hours of no precipitation). ☐ Yes ☒ No
  - b. Detecting and tracking the source of illicit discharges using visual inspections. The permittee may also include use of mobile cameras, collecting and analyzing water samples, and/or other detailed procedures that may be effective investigative tools. ☒ Yes ☐ No
  - c. Training of all field staff, in accordance with the requirements of the Permit (Part III.D.6.g.(2)), in illicit discharge recognition (including conditions which could cause illicit discharges), and reporting illicit discharges for further investigation. ☐ Yes ☒ No
  - d. Identification of priority areas likely to have illicit discharges, including at a minimum, evaluating land use associated with business/industrial activities, areas where illicit discharges have been identified in the past, and areas with storage of large quantities of significant materials that could result in an illicit discharge. ☒ Yes ☐ No
  - e. Procedures for the timely response to known, suspected, and reported illicit discharges. ☐ Yes ☒ No
  - f. Procedures for investigating, locating, and eliminating the source of illicit discharges. ☐ Yes ☒ No
  - g. Procedures for responding to spills, including emergency response procedures to prevent spills from entering the small MS4. The procedures shall also include the immediate notification of the Minnesota Department of Public Safety Duty Officer, if the source of the illicit discharge is a spill or leak as defined in Minn. Stat. § 115.061. ☐ Yes ☒ No
  - h. When the source of the illicit discharge is found, the permittee shall use the ERPs required by the Permit (Part III.B.) to eliminate the illicit discharge and require any needed corrective action(s). ☐ Yes ☒ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

*The RCWD will develop procedures and training for its IDDE program, consistent with the requirements in the Permit, within 12 months of the date permit coverage is extended.*

3. List the categories of BMPs that address your illicit discharge, detection and elimination program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
RCWD Rule H	RCWD Rule H became effective on July 1, 2013. The Rule will be updated or modified as necessary to meet the needs of the RCWD or changes in the Permit.
IDDE Inspections	District staff records any observed illicit discharges during their normal field work and follows up accordingly. Complaints are inspected by staff immediately and the appropriate partners or agencies are notified as required.
Storm Sewer Mapping	Obtain current storm sewer system maps for all municipalities that discharge stormwater to the RCWD's public drainage system. The greatest risk of an illicit discharge entering the RCWD's MS4 is from municipally-owned storm sewer systems.
Water Quality Monitoring Program	The RCWD operates a robust water quality and flow rate monitoring program with sampling stations setup throughout the public drainage system and on Rice Creek itself. Lakes are also routinely monitored.
BMP categories to be implemented	Measurable goals and timeframes

IDDE Inspections	Procedures will be developed in 2014 to govern RCWD inspections and enforcement procedures for its IDDE program.
IDDE Training	An IDDE training program will be developed in 2014 and given to all RCWD field staff. Newly hired field staff will go through the training within the first month of employment.
IDDE Record Keeping	Record keeping guidelines will be developed in 2014.

4. Do you have procedures for record-keeping within your Illicit Discharge Detection and Elimination (IDDE) program as specified within the Permit (Part III.D.3.h.)? ☐ Yes ☒ No

If you answered **no**, indicate how you will develop procedures for record-keeping of your Illicit Discharge, Detection and Elimination Program, within 12 months of the date permit coverage is extended:

*The RCWD only recently adopted an IDDE Rule (RCWD Rule H) and has not yet undertaken the creation of a formal IDDE inspection program. Complaints are handled on a case-by-case basis at the current time. The procedures above take place when applicable, but there is no formal program. The RCWD will develop procedures and training for its IDDE program, consistent with the requirements in the Permit, within 12 months of the date permit coverage is extended.*

5. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

*Water Resource Specialist*

#### **D. MCM 4: Construction site stormwater runoff control**

1. The Permit (Part III.D.4) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement and enforce a construction site stormwater runoff control program. Describe your current program:

*Permit application review is undertaken by a team of engineers, attorneys and RCWD staff. Houston Engineering is the District engineer. The District's legal counsel includes Smith Partners and Rinke Noonan. The District also includes dedicated regulatory staff serving the public through the entire regulatory process; from pre-application discussion, effective application review, site inspection, and on through the maintenance of stormwater facilities. The RCWD encourages early discussion on project compliance with District regulation*

*The RCWD is involved in two types of regular permit inspections, routine and close-out. The routine inspections are intended to ensure that permit holders are employing proper sediment and erosion control BMPs at residential, commercial, and industrial development sites. Routine inspections also ensure that stormwater management features are built correctly and functioning properly, and that wetland and floodplain impacts do not exceed planned amounts. Over the past year, there has been a decrease in overall violation rates, a factor strongly attributed to a growing relationship between RCWD inspectors and on-site personnel. It is cheaper and more efficient to identify deficiencies during construction rather than afterwards. Close-out inspections are done when the project has been completed, to verify that it has been built according to the approved plan, that final stabilization/vegetation has been established and that all temporary BMPs have been removed. This inspection is the count-down to permit closure and return of the surety deposit. The RCWD inspectors continue to be a strong presence on active construction sites, while balancing this with the need to resolve older permits through close-out inspections.*

*New in 2012 was the contracting for some inspection services with the Ramsey Conservation District (RCD). This was done to accommodate staff transitions in an area of the district where RCD was already an active presence. The inspection department now consists of 1.5 full time staff members and the contract with RCD.*

2. Does your program address the following BMPs for construction stormwater erosion and sediment control as required in the Permit (Part III.D.4.b.):

- Have you established written procedures for site plan reviews that you conduct prior to the start of construction activity? ☒ Yes ☐ No
- Does the site plan review procedure include notification to owners and operators proposing construction activity that they need to apply for and obtain coverage under the MPCA's general permit to *Discharge Stormwater Associated with Construction Activity No. MN R100001*? ☒ Yes ☐ No
- Does your program include written procedures for receipt and consideration of reports of noncompliance or other stormwater related information on construction activity submitted by the public to the permittee? ☒ Yes ☐ No
- Have you included written procedures for the following aspects of site inspections to determine compliance with your regulatory mechanism(s):
  - Does your program include procedures for identifying priority sites for inspection? ☐ Yes ☒ No
  - Does your program identify a frequency at which you will conduct construction site inspections? ☐ Yes ☒ No
  - Does your program identify the names of individual(s) or position titles of those responsible for conducting construction site inspections? ☒ Yes ☐ No

- 4) Does your program include a checklist or other written means to document construction site inspections when determining compliance? ☒ Yes ☐ No
- e. Does your program document and retain construction project name, location, total acreage to be disturbed, and owner/operator information? ☒ Yes ☐ No
- f. Does your program document stormwater-related comments and/or supporting information used to determine project approval or denial? ☒ Yes ☐ No
- g. Does your program retain construction site inspection checklists or other written materials used to document site inspections? ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met.

*Despite a robust permit inspection program, the RCWD was unable to locate written procedures to identify priority inspection sites or a desired frequency of construction site inspections. Inspection staff does, however, practice internal prioritization of construction sites and inspects sites as frequently as possible. The RCWD will develop written procedures for its files within 12 months of the date permit coverage is extended.*

3. List the categories of BMPs that address your construction site stormwater runoff control program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). **If you have more than five categories**, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
RCWD Rule D	Permits are required for construction activity as defined in RCWD Rules. Rule D specifically relates to construction site erosion and sediment control. Applications are processed timely in accordance with RCWD policy and MN Statute 15.99.
Site Plan Review	The RCWD maintains an on-staff engineer in addition to consulting engineers who rigorously review every permit application and site plan for compliance with RCWD Rules.
Inspections	The RCWD strives to ensure that all permitted projects receive at least one routine inspection during active construction in addition to a mandatory close-out inspection at the end of each project. Inspection frequency may be altered depending on rainfall events or prioritization of an individual site. Every inspection report is filed permanently in the District's records.
Enforcement	The RCWD will follow its ERPs to deal with violations of its regulatory program as needed.
Education	The RCWD tracks the violation rates of several inspection parameters and has a goal of seeing year-over-year reductions in those violation rates. Inspection staff actively educates permittees regarding erosion and sediment control practices as an ongoing core aspect of their duties.
Workshops	The RCWD strives to host or contribute to at least one erosion and sediment control related workshop or training session each year, contingent on relevant topics and staff/partner availability.
BMP categories to be implemented	Measurable goals and timeframes
Develop written procedures for inspection prioritization and frequency	The RCWD will develop written procedures for inspection prioritization and frequency within 12 months of the date permit coverage is extended.

4. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Inspector

## E. MCM 5: Post-construction stormwater management

1. The Permit (Part III.D.5.) requires that, within 12 months of the date permit coverage is extended, existing permittees

shall revise their current program, as necessary, and continue to implement and enforce a post-construction stormwater management program. Describe your current program:

*Permit application review is undertaken by a team of engineers, attorneys and RCWD staff. Houston Engineering is the District engineer. The District's legal counsel includes Smith Partners and Rinke Noonan. The District also includes dedicated regulatory staff serving the public through the entire regulatory process; from pre-application discussion, effective application review, site inspection, and on through the maintenance of stormwater facilities. The RCWD encourages early discussion on project compliance with District regulation. At times, District files contain important information on past projects and/or studies which can be made available for consideration. Early project coordination also serves to address areas of regulation that benefit from additional explanation providing clarity for applicants. The regulatory process includes sufficient lead time to ensure ongoing communication to "fine tune" materials and demonstrate compliance with the rules. Most permit applications require RCWD Board consideration at the monthly "permit" board meeting; although some regulatory matters have been delegated to the Administrator. District staff and engineers continue to flag areas of regulation in need of clarification.*

*The RCWD's BMP Monitoring & Assessment Program was initiated to assess the function of stormwater BMPs that have been constructed within the District, and identify site specific deficiencies and remedies. The presence of periodic inspectors from RCWD continues to be a useful maintenance education tool as well, given the increase in annual inspection reports RCWD has been receiving.*

2. Have you established written procedures for site plan reviews that you will conduct prior to the start of construction activity? ☒ Yes ☐ No
3. Answer **yes** or **no** to indicate whether you have the following listed procedures for documentation of post-construction stormwater management according to the specifications of Permit (Part III.D.5.c.):
  - a. Any supporting documentation that you use to determine compliance with the Permit (Part III.D.5.a), including the project name, location, owner and operator of the construction activity, any checklists used for conducting site plan reviews, and any calculations used to determine compliance? ☒ Yes ☐ No
  - b. All supporting documentation associated with mitigation projects that you authorize? ☒ Yes ☐ No
  - c. Payments received and used in accordance with Permit (Part III.D.5.a.(4)(f))? ☒ Yes ☐ No
  - d. All legal mechanisms drafted in accordance with the Permit (Part III.D.5.a.(5)), including date(s) of the agreement(s) and names of all responsible parties involved? ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the steps that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met.

4. List the categories of BMPs that address your post-construction stormwater management program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
RCWD Rule C	Permits are required for post-construction stormwater management as defined in RCWD Rules. Rule C specifically relates to stormwater management plans and facilities and requires the implementation of practices to manage stormwater runoff rate and volume as well as the long-term maintenance of the constructed facilities. Applications are processed timely in accordance with RCWD policy and MN Statute 15.99.
Site Plan Review	The RCWD maintains an on-staff engineer in addition to consulting engineers who rigorously review every permit application and site plan for compliance with RCWD Rules.
Inspections	The RCWD strives to ensure that all permitted projects receive at least one routine inspection during active construction in addition to a mandatory close-out inspection at the end of each project. Inspection frequency may be altered depending on rainfall events or prioritization of an individual site. Every inspection report is filed permanently in the District's records. As-built record drawings of constructed stormwater management facilities are required to be submitted to the RCWD for review prior to permit close-out. The RCWD routinely hires at least one summer intern to complete

	maintenance inspections on previously permitted sites with stormwater management facilities to ensure practices are being maintained and continue to operate as intended.
Enforcement	The RCWD will follow its ERPs to deal with violations of its regulatory program as needed.
Education	The RCWD tracks the violation rates of several inspection parameters and has a goal of seeing year-over-year reductions in those violation rates. Inspection staff actively educates permittees regarding proper construction of stormwater facilities as an ongoing core aspect of their duties.
Workshops	The RCWD strives to host or contribute to at least one stormwater management related workshop each year, contingent on relevant topics and staff/partner availability.

BMP categories to be implemented	Measurable goals and timeframes

5. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

*Permit Coordinator/Wetland Specialist*

#### F. MCM 6: Pollution prevention/good housekeeping for municipal operations

1. The Permit (Part III.D.6.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement an operations and maintenance program that prevents or reduces the discharge of pollutants from the permittee owned/operated facilities and operations to the small MS4. Describe your current program:

*The RCWD does not own or operate any facilities that would meet the criteria of Part III.D.6. of the Permit. Therefore, the RCWD does operate a formal pollution prevention / good housekeeping program.*

2. Do you have a facilities inventory as outlined in the Permit (Part III.D.6.a.)? ☐ Yes ☒ No
3. If you answered **no** to the above permit requirement in question 2, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

*The RCWD does not own or operate any facilities that would meet the criteria of Part III.D.6. of the Permit.*

4. List the categories of BMPs that address your pollution prevention/good housekeeping for municipal operations program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. For an explanation of measurable goals, refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

**If you have more than five categories**, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
BMP categories to be implemented	Measurable goals and timeframes

5. Does discharge from your MS4 affect a Source Water Protection Area (Permit Part III.D.6.c.)? ☐ Yes ☒ No

a. If **no**, continue to 6.

- b. If **yes**, the Minnesota Department of Health (MDH) is in the process of mapping the following items. Maps are available at <http://www.health.state.mn.us/divs/eh/water/swp/maps/index.htm>. Is a map including the following items available for your MS4:

- 1) Wells and source waters for drinking water supply management areas identified as ☐ Yes ☐ No



vulnerable under Minn. R. 4720.5205, 4720.5210, and 4720.5330?

- 2) Source water protection areas for surface intakes identified in the source water assessments conducted by or for the Minnesota Department of Health under the federal Safe Drinking Water Act, U.S.C. §§ 300j – 13? ☐ Yes ☐ No
- C. Have you developed and implemented BMPs to protect any of the above drinking water sources? ☐ Yes ☐ No
6. Have you developed procedures and a schedule for the purpose of determining the TSS and TP treatment effectiveness of all permittee owned/operated ponds constructed and used for the collection and treatment of stormwater, according to the Permit (Part III.D.6.d.)? ☐ Yes ☒ No
7. Do you have inspection procedures that meet the requirements of the Permit (Part III.D.6.e.(1)-(3)) for structural stormwater BMPs, ponds and outfalls, and stockpile, storage and material handling areas? ☐ Yes ☒ No
8. Have you developed and implemented a stormwater management training program commensurate with each employee's job duties that:
- a. Addresses the importance of protecting water quality? ☐ Yes ☒ No
- b. Covers the requirements of the permit relevant to the duties of the employee? ☐ Yes ☒ No
- c. Includes a schedule that establishes initial training for new and/or seasonal employees and recurring training intervals for existing employees to address changes in procedures, practices, techniques, or requirements? ☐ Yes ☒ No
9. Do you keep documentation of inspections, maintenance, and training as required by the Permit (Part III.D.6.h.(1)-(5))? ☐ Yes ☒ No

If you answered **no** to any of the above permit requirements listed in **Questions 5 – 9**, then describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

*The RCWD is not a traditional municipal MS4 permittee. The District does not own or operate any facilities that would require undertaking the above activities.*

10. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

*Water Resource Specialist*

## VI. Compliance Schedule for an Approved Total Maximum Daily Load (TMDL) with an Applicable Waste Load Allocation (WLA) (Part II.D.6.)

- A. Do you have an approved TMDL with a Waste Load Allocation (WLA) prior to the effective date of the Permit? ☒ Yes ☐ No
1. If **no**, continue to section VII.
2. If **yes**, fill out and attach the MS4 Permit TMDL Attachment Spreadsheet with the following naming convention: *MS4NameHere\_TMDL*.

This form is found on the MPCA MS4 website: <http://www.pca.state.mn.us/ms4>.

## VII. Alum or Ferric Chloride Phosphorus Treatment Systems (Part II.D.7.)

- A. Do you own and/or operate any Alum or Ferric Chloride Phosphorus Treatment Systems which are regulated by this Permit (Part III.F.)? ☐ Yes ☒ No
1. If **no**, this section requires no further information.
2. If **yes**, you own and/or operate an Alum or Ferric Chloride Phosphorus Treatment System within your small MS4, then you must submit the Alum or Ferric Chloride Phosphorus Treatment Systems Form supplement to this document, with the following naming convention: *MS4NameHere\_TreatmentSystem*.

This form is found on the MPCA MS4 website: <http://www.pca.state.mn.us/ms4>.

## VIII. Add any Additional Comments to Describe Your Program

## **RESOLUTION 2009-05**

### **RICE CREEK WATERSHED DISTRICT BOARD OF MANAGERS**

#### **APPROVING INTERNAL POLICY ON RULE/PERMIT ENFORCEMENT**

Manager Haake offered the following resolution and moved its adoption, seconded by Manager Mastell:

**WHEREAS** on February 14, 2008, the Rice Creek Watershed District Board of Managers, pursuant to Minnesota Statutes §103D.341, adopted revised rules governing permits for work within the watershed that may affect water resources;

**WHEREAS** in implementing its rules, cooperating with local units of government and overseeing water resource management within its boundaries, the Rice Creek Watershed District Board of Managers and staff have observed development activity being performed under expired District permits, in violation of permit terms, and without required permits;

**WHEREAS** improperly managed development work causes injury to water resources within the watershed and inconsistent administration of the District's regulatory program places unequal burdens on those performing conscientiously and conforming with District requirements;

**WHEREAS** District enforcement activity, however, should consider circumstances and avoid creating unnecessary burdens for property owners unrelated to water resource protection;

**WHEREAS** a consistent framework for District administration of its regulatory program and enforcement decisions will allow the District to best and most efficiently fulfill its regulatory goals;

**WHEREAS** staff have prepared rule and permit enforcement policies to provide a framework in administration, attached hereto and titled:

- Internal Policy on Rule/Permit Enforcement

**WHEREAS** the Board of Managers finds that the policy supports the fair, consistent and efficient administration of the District's regulatory program and is consistent with applicable watershed laws and powers;

**THEREFORE BE IT RESOLVED** that the Board of Managers approves the attached enforcement policy and authorizes the Administrator to sign it and make it publicly available, while noting that the policy is for internal coordination only and may be applied and modified as circumstances and judgment warrant;

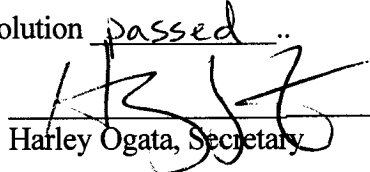


The question was to adopt the Resolution and there were \_\_\_\_ yeas and \_\_\_\_ nays as follows:

	<u>Yea</u>	<u>Nay</u>	<u>Absent</u>
HAAKE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MASTELL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OGATA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PREINER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WALLER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Upon vote, the Chair declared the Resolution passed..


Dated: February 25, 2009

  
\_\_\_\_\_  
Harley Ogata, Secretary

\*\*\*\*\*

I, Harley Ogata, Secretary of the Rice Creek Watershed District, hereby certify that I have compared the above resolution with the original thereof as the same appears of record and on file with the District and find it to be a true and correct transcript thereof.

IN TESTIMONY WHEREOF, I set my hand this 25th day of February, 2009.

  
\_\_\_\_\_  
Harley Ogata, Secretary

**Internal Policy on Rule/Permit Enforcement**  
**(approved February 25, 2009)**

This policy is for RCWD internal use only in order to govern relations between the Board of Managers and RCWD staff. It is not intended to and does not create any right or expectation in any person subject to RCWD permit requirements or any other third party. The Board of Managers may amend this policy or make exceptions to it as it deems appropriate. In implementing the RCWD regulatory program, staff may exercise judgment and deviate from the terms of this policy on the basis of specific circumstances, so as to best fulfill RCWD purposes.

**CAPROC – conditional approval pending receipt of conditions**

- CAPROC (soon to expire)/ no work started / no substantial change in project scope
  - Send out notice to applicant prior to expiration of CAPROC (4-6 Weeks)
  - Request applicant to:
    - Get permit (rules at time of original CAPROC apply)
      - Usually administrative items & surety
- OR
- Re-apply for permit (rules do not provide for CAPROC extension)
  - No substantial change in project scope
  - Rules at time of reapplication apply (project not substantially affected by current rules)
  - Basically extends CAPROC 12 months
  - Delegate permit approval to Administrator
- CAPROC (soon to expire) no work started / substantial change in project scope
  - Applicant must re-apply for permit; rules at time of re-permitting apply
  - Board Approval
- CAPROC expired / no work started on site / no substantial change in project scope
  - Applicant must re-apply for permit
  - Rules at time of re-permitting would apply (project not substantially affected by current rules)
  - No application fee
  - Delegate permit approval to Administrator
- CAPROC expired / no work started on site / substantial change in project scope
  - Applicant must re-apply for permit
  - Rules at time of re-permitting would apply
  - Standard fee
  - Board approval
- CAPROC current / work started without a permit
  - If no significant threat of pollution to waters of the state or WCA violation is suspected
    - Notify applicant within 24 hours (*cc: Notice by mail to Board*)
      - Violation of rules exist
      - 10 days to comply with all CAPROC conditions (*no extension, no grace*)
      - Any work on-site it at applicant's risk
    - If no response in 10 days (*complete fulfillment of CAPROC*), staff issue Compliance Order (*cc: Notice by mail to Board*)

- Staff issued Compliance Order considered at next Board meeting (potential need for amendment to agenda); Board will issue superseding order, initiate civil action or otherwise
- If a significant threat of pollution to waters of the state or WCA violation is suspected issue Compliance Order; request DNR Conservation Officer and/or PCA Official to issue order. (*cc: Notice by mail to Board*)
  - Special or emergency board meeting or Staff issued Compliance Order considered at next Board meeting (potential need for amendment to agenda); Board will issue superseding order, initiate civil action or otherwise.
- CAPROC expired / work started
  - If no significant threat of pollution to waters of the state or WCA violation is suspected
    - Notify applicant within 24 hours (*cc: Notice by mail Board as well*)
      - Violation of rules exist
      - 10 days to reapply for permit (*no extension, no grace*)
        - Rules at time of re-permitting apply
        - Significant changes require Board approval
        - No significant changes, akin to original CAPROC, staff approval
      - Any work on-site is at applicant's risk
    - If no response in 10 days (*submitted complete application*), staff issue Compliance Order (*cc: Notice by mail to Board*)
      - Staff issued Compliance Order considered at next Board meeting (potential need for amendment to agenda); Board issues superseding order, initiates civil action or otherwise
  - If a significant threat of pollution to waters of the state or WCA violation is suspected, staff issue Compliance Order; request DNR Conservation Officer and/or PCA Official to issue order. (*cc: Notice by mail to Board*)
    - Staff issued Compliance Order considered at next Board meeting (potential need for amendment to agenda); Board issues superseding order, initiates civil action or otherwise
      - If surety is available then use to resolve issue

### **No Application or Incomplete Application**

- Work started
  - If no significant threat of pollution to waters of the state or WCA violation is suspected
    - Notify applicant within 24 hours (*cc: Notice by mail Board as well*)
      - Violation of rules exist
      - 10 days to apply for permit (*no extension, no grace*)
        - Rules at time of present permitting apply
        - Requires Board approval unless otherwise delegated to Administrator
      - Any work on-site is at applicant's risk
    - If no response in 10 days (*submitted complete application*), staff issue Compliance Order (*cc: Notice by mail to Board*)

- Staff issued Compliance Order considered at next Board meeting (potential need for amendment to agenda); Board issues superseding order, initiates civil action or otherwise
- If a significant threat of pollution to waters of the state or WCA violation is suspected, staff issue Compliance Order; request DNR Conservation Officer and/or PCA Official to issue order. (*cc: Notice by mail to Board*)
  - Staff issued Compliance Order considered at next Board meeting (potential need for amendment to agenda); Board issues superseding order, initiates civil action or otherwise

## Permits

- Permit (current, applicant failure to comply with permit terms)
  - Notify applicant
    - Compliance with permit terms is required
      - 10 days to comply with specific permit term (*no extension, no grace*)
      - Any work on-site it at applicant's risk
      - If no response in 10 days (*complete fulfillment of permit requirements*), staff issue Compliance Order (*cc: Notice by mail to Board*)
        - Staff issued Compliance Order considered at next Board meeting (potential need for amendment to agenda).
          - Board issues superseding order, initiates civil action or otherwise
          - Use surety if available
- Permit (soon to expire, 2 months)
  - Send out notice to applicant prior to expiration of Permit
  - Request applicant to:
    - Request permit extension
      - If no change in scope of project; surety secure
        - Delegate permit extension to Administrator
      - If substantial change in project scope is proposed
        - Require extension approval by Board
    - OR
    - If project is complete notify District and request final inspection and close-out
    - OR
    - If no work has started notify District that applicant has decided to let permit expire and request return of surety, release of agreements, vacation of easements, declarations.
- Permit expired / work not completed
  - If no significant threat of pollution to waters of the state or WCA violation is suspected
    - Notify applicant within 24 hours (*cc: Notice by mail Board as well*)
      - Violation of rules exist
      - Any work on-site is at applicant's risk
      - 10 days to reapply (means submittal of application, explanation) for permit
        - No significant change in scope of work
        - No significant change from application of current rule

- Re-permitting under rules of original permit
- Delegate permit approval to Administrator

OR

- Significant change in scope of work
- Significant change from application of current rule
- Permit amendment with project change evaluated under rules at time of amendment
- Board Approval

OR

- Variance Application
- Board Approval

- If no response in 10 days staff issue Compliance Order; Staff issued Compliance Order considered at next Board meeting (potential need for amendment to agenda). (*cc: Notice by mail to Board*)
  - Board to issue superseding order, initiate civil action or otherwise
    - Use surety if available
- If a significant threat of pollution to waters of the state or WCA violation is suspected, staff issue Compliance Order; request DNR Conservation Officer and/or PCA Official to issue order. (*cc: Notice by mail to Board*)
  - Staff issued Compliance Order considered at next Board meeting (potential need for amendment to agenda); Board to issue superseding order, initiate civil action or otherwise
    - Use surety if available

### **Wetland Conservation Act**

- Wetland delineations
  - Notify landowners with approved delineations 3 months prior to the 3 year WCA limit on delineations that:
    - Current delineation approval is set to end
    - Applicant can request re-approval with documentation that site conditions have not changed. (This would apply to those that have “expired” as well)

## **RULE H: ILLICIT DISCHARGE AND CONNECTION**

1. **POLICY.** It is the policy of the Board of Managers to:
  - (a) Regulate the contribution of pollutants to the District's Municipal Separate Storm Sewer System (MS4) by any user;
  - (b) Prohibit Illicit Connections and Discharges to the District's MS4;
  - (c) Carry out inspection and monitoring procedures necessary to ensure compliance with this Rule under statutory and related authority.
2. **PROHIBITION.** No person shall discharge or cause to be discharged into a public drainage system within the District any materials, including but not limited to pollutants or waters containing any pollutants that cause or contribute to a violation of applicable water quality standards, other than stormwater.
3. **EXCEPTIONS.** The commencement, conduct or continuance of any illegal discharge to the waters of the District is prohibited except as described as follows:
  - (a) The following discharges are exempt from discharge prohibitions established by this rule:
    - (1) Water line flushing or other potable water sources
    - (2) Landscape irrigation or lawn watering
    - (3) Diverted stream flows
    - (4) Rising ground water
    - (5) Ground water infiltration to storm drains
    - (6) Uncontaminated pumped ground water
    - (7) Foundation and footing drains
    - (8) Firefighting activities
  - (b) Discharges specified in writing by the District, or other federal, state or local agency as being necessary to protect the public health and safety.
  - (c) Dye testing is an allowable discharge, but requires a verbal notification to the District prior to the time of the test.
  - (d) The prohibition shall not apply to any non-storm water discharge permitted under an NPDES permit, waiver, or waste discharge order issued to the discharger and administered under the authority of the Federal Environmental Protection Agency, provided that the discharger is in full compliance with all requirements of the permit, waiver, or order and other applicable laws and regulations, and provided that written approval has been granted for any discharge to the storm

drain system.

**4. ILLICIT CONNECTIONS PROHIBITED**

- (a)** The construction, use, maintenance or continued existence of illicit connections to the public drainage system is prohibited.
- (b)** This prohibition expressly includes, without limitation, illicit connections made in the past, regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection.
- (c)** A person is considered to be in violation of this rule if the person connects a line conveying sewage to the public drainage system, or allows such a connection to continue.

## **RULE D: EROSION AND SEDIMENT CONTROL PLANS**

1. **POLICY.** It is the policy of the Board of Managers to prevent erosion of soil into surface water systems by requiring erosion and sediment control for land-disturbing activities.
2. **REGULATION.**
  - (a) An erosion and sediment control plan must be submitted, and a permit received from the District, for:
    - (1) Surface soil disturbance or removal of vegetative cover on one acre or more of land;
    - (2) Surface soil disturbance or removal of vegetative cover on 10,000 square feet or more of land, if any part of the disturbed area is within 300 feet of and drains to a lake, stream, wetland or public drainage system; or
    - (3) Any land-disturbing activity that requires a District permit under a rule other than Rule D.
  - (b) A person disturbing surface soils or removing vegetative cover on more than 5,000 square feet of land, or stockpiling on-site more than fifty (50) cubic yards of earth or other erodible material, but not requiring a permit under the criteria of this rule, must submit a notice in advance of disturbance on a form provided by the District and conform the activity to standard best practices established by and available from the District.
  - (c) Rule D does not apply to normal farming practices that are part of an ongoing farming operation.
3. **DESIGN CRITERIA FOR EROSION CONTROL PLANS.** Erosion and Sediment Control Plans must comply with the following criteria:
  - (a) Natural project site topography and soil conditions must be specifically addressed to reduce erosion and sedimentation during construction and after project completion.
  - (b) Site erosion and sediment control practices must be consistent with the Minnesota Pollution Control Agency document "Protecting Water Quality in Urban Areas" (1994), as amended, and District-specific written design guidance and be sufficient to retain sediment on-site.
  - (c) The project must be phased to minimize disturbed areas and removal of existing vegetation, until it is necessary for project progress.
  - (d) The District may require additional erosion and sediment control measures on areas with a slope to a sensitive, impaired or special water body, stream, drainage system or wetland to assure retention of sediment on-site.
  - (e) The plan must include conditions adequate to protect facilities to be used for post-construction stormwater infiltration.



4. **REQUIRED EXHIBITS.** The following exhibits must accompany the permit application. One set, full size (22 inches by 34 inches) and one reduced (maximum size of 11 inches by 17 inches) or electronic version.
  - (a) An existing and proposed topographic map which clearly indicates all hydrologic features and areas where grading will expose soils to erosive conditions. The Plan must also indicate the direction of all project site runoff.
  - (b) Tabulation of the construction implementation schedule.
  - (c) Name, address and phone number of party responsible for maintenance of all erosion and sediment control measures.
  - (d) Quantification of the total disturbed area.
  - (e) Clear identification of all temporary erosion and sediment control measures that will remain in place until permanent vegetation is established. Examples of temporary measures include, but are not limited to, seeding, mulching, sodding, silt fence, erosion control blanket, and stormwater inlet protection devices.
  - (f) Clear identification of all permanent erosion control measures such as outfall spillways and riprap shoreline protection, and their locations.
  - (g) Clear Identification of staging areas, as applicable.
  - (h) Documentation that the project applicant has applied for the NPDES Permit from the Minnesota Pollution Control Agency (MPCA), when applicable.
  - (i) A stormwater pollution prevention plan for projects that require an NPDES Permit.
  - (j) Delineation of any floodplain and/or wetland area changes.
  - (k) Other project site-specific submittal requirements as may be required by the District.
5. **CONSTRUCTION ACTIVITY REQUIREMENTS.** Any activity subject to a permit under this rule must conform to the standards of the NPDES construction general permit, as amended, regarding construction-site erosion and sediment control.
6. **INSPECTIONS.**
  - (a) The permittee shall be responsible for inspection, maintenance and effectiveness of all erosion and sediment control measures until final soil stabilization is achieved or the permit is assigned (see Rule B), whichever comes first.
  - (b) The District may inspect the project site and require the permittee to provide additional erosion control measures as it determines conditions warrant.
7. **FINAL STABILIZATION.**
  - (a) Erosion and sediment control measures must be maintained until final vegetation and ground cover is established to a density of 70%.
  - (b) Temporary erosion and sediment control BMPs will be removed after disturbed areas have been permanently stabilized.

## **RULE C: STORMWATER MANAGEMENT PLANS**

- 1. POLICY.** It is the policy of the Board of Managers to manage stormwater and snowmelt runoff on a local, regional and watershed basis; to promote natural infiltration of runoff throughout the District to preserve flood storage and enhance water quality; and to address the unique nature of flooding issues within the Flood Management Zone, through the following principles:

  - (a)** Maximize water quality and flood control on individual project sites through Better Site Design practices and stormwater management.
  - (b)** Minimize land use impacts and improve operational and maintenance efficiency by siting stormwater BMPs, when needed, regionally unless local resources would be adversely affected.
  - (c)** Treat stormwater runoff before discharge to surface waterbodies and wetlands, while considering the historic use of District water features.
  - (d)** Ensure that future peak rates of runoff are less than or equal to existing rates.
  - (e)** Reduce the existing conditions peak rate of discharge along Lower Rice Creek and the rate of discharge and volume of runoff reaching Long Lake, to preserve the remaining floodplain storage volume within Long Lake and mitigate the historic loss of floodplain storage.
  - (f)** Preserve remaining floodplain storage volume within the Rice Creek Watershed to minimize flood potential throughout the District.
- 2. REGULATION.** A permit incorporating an approved stormwater management plan is required under this rule for development, consistent with the following:

  - (a)** A permit is required for development, except Public Linear Projects, that creates or reconstructs 10,000 square feet or more of impervious surface. This threshold is cumulative of all impervious surface created or reconstructed through multiple phases or connected actions of a single complete project, as defined by the District, on a single parcel or contiguous parcels of land under common ownership, development or use.
  - (b)** For Public Linear Projects, a permit is required to create or reconstruct 10,000 square feet or more of impervious surface through multiple phases or connected actions of a single complete project, as defined by the District, within a Resource of Concern Drainage Area.
  - (c)** A permit is not required for development on an individual lot within a residential subdivision if it conforms to a development plan approved by the District. Rule C, section 13, states terms for use of regional facilities in a non-residential subdivision.
  - (d)** Rule C requirements do not apply to sidewalks and trails 10 feet wide or less that are bordered down-gradient by vegetated open space or vegetated filter strip with a minimum width of 5 feet.

(e) Rule C requirements do not apply to Bridge Spans and Mill & Overlay projects.

3. **STORMWATER MANAGEMENT REQUIRED.** A stormwater management plan shall be submitted with the permit application for a project equaling or exceeding the threshold of Section 2. The stormwater management plan shall fully address the design and function of the project proposal and the effects of altering the landscape relative to the direction, rate of discharge, volume of discharge and timing of runoff.

4. **MODELING REQUIREMENTS FOR STORMWATER MANAGEMENT PLANS.**

- (a) A hydrograph method or computer program based on NRCS Technical Release #20 (TR-20) and subsequent guidance must be used to analyze stormwater runoff for the design or analysis of discharge and water levels within and off the project site. The runoff from pervious and impervious areas within the model shall be modeled separately.
- (b) In determining Curve Numbers for the post-development condition, the Hydrologic Soil Group (HSG) of areas within construction limits shall be shifted down one classification for HSG B (Curve Number 74) and ½ classification for HSG A (Curve Number 49) to account for the impacts of grading on soil structure unless the project specifications incorporate soil amendments in accordance with District Soil Amendment Guidelines. This requirement only applies to that part of a site that has not been disturbed or compacted prior to the proposed project.
- (c) The analysis of flood levels, storage volumes, and discharge rates for waterbodies and stormwater management basins must include the NOAA Technical Paper #40 (TP-40) values, as amended, for the 2 year, 10 year and 100 year return period, 24-hour rainfall events and the 10-day snowmelt event (Curve Number 100), in order to identify the critical duration flood event. The District Engineer may require analysis of additional precipitation durations to determine the critical duration flood event. Analysis of the 10-day snowmelt event is not required for stormwater management detention basins with a defined outlet elevation at or below the 100 year return period, 24-hour rainfall event elevation.

5. **STORMWATER MANAGEMENT PLAN FRAMEWORK.**

- (a) When an existing regional BMP is proposed to manage stormwater runoff, the applicant shall show that the BMP was designed and constructed to manage the stormwater runoff from the project site, the applicant has permission to utilize any remaining capacity in the BMP, the BMP is subject to maintenance obligations enforceable by the District, and it is being maintained to its original design.
- (b) A combination of Stormwater BMPs may be used to meet the requirements of section(s) 6, 7, and 8.
- (c) A local surface water management plan or ordinance of the local land use authority may contain standards or requirements more restrictive than these rules. The stormwater management plan must conform to the local surface water management plan or ordinance of the local land use authority.

- (d) The proposed project must not adversely affect off-site water levels or resources supported by local recharge, or increase the potential for off-site flooding, during or after construction.
- (e) A landlocked basin may be provided an outlet only if it:
  - (1) Conforms with District Rule F, as applicable.
  - (2) Provides sufficient dead storage volume to retain the runoff resulting from back-to-back 100-year, 24-hour rainfall events.
  - (3) Does not create adverse downstream flooding or water quality conditions as a result of the change in the rate, volume or timing of runoff or a change in drainage patterns.
- (f) A municipality or public road authority may prepare a comprehensive stormwater management plan setting forth an alternative means of meeting the standards of sections 6 and 7 within a defined subwatershed. Once approved by the District and subject to any stated conditions, the plan will apply in place of those sections.

## 6. WATER QUALITY TREATMENT.

- (a) Development creating or reconstructing impervious surface shall apply Better Site Design (BSD) techniques as outlined in Chapter 4 of the MPCA Minnesota Stormwater Manual. A BSD guidance document and checklist is available on the District's website.
- (b) Sediment shall be managed on-site to the maximum extent practicable before runoff resulting from new or reconstructed impervious surface enters the off-site drainage system.

### (c) WATER QUALITY TREATMENT STANDARD.

- (1) The required water quality treatment volume standard for all projects, except Public Linear Projects, is determined as follows:

$$\text{Required Water Quality Treatment Volume (ft}^3\text{)} = \text{Area of New or Reconstructed Impervious Surface (ft}^2\text{)} \times 1.1 \text{ (in)} \div \text{TP Removal Factor from Table C1} \div 12 \text{ (in/ft)}$$

- (2) The required water quality treatment volume standard for Public Linear Projects is determined as follows:

$$\text{Required Water Quality Treatment Volume (ft}^3\text{)} = \text{Area of New or Reconstructed Impervious Surface (ft}^2\text{)} \times 0.75 \text{ (in)} \div 12 \text{ (in/ft)}$$

- (3) For alternative Stormwater BMPs not found in Table C1 or to deviate from TP Removal Factors found in Table C1, the applicant may submit a TP Removal Factor, expressed as annual percentage removal efficiency, based on supporting technical data, for District approval.
- (4) Stormwater runoff treated by the BMP during a rain event will not be credited towards the treatment requirement.

**TABLE C1. TP REMOVAL FACTORS FOR PROPERLY DESIGNED BMPs.**

BMP	BMP Design Variation	TP Removal Factor *
Infiltration **	Infiltration Feature	1.00
Water Reuse **	Irrigation	1.00
Biofiltration	Underdrain	0.65
Filtration	Sand or Rock Filter	0.50
Stormwater Wetlands	Shallow Wetland	0.40
	Pond/Wetland	0.55
Stormwater Ponds ***	Wet Pond	0.50
	Multiple Pond	0.60

Source: Adapted from Table 7.4 from the Minnesota Stormwater Manual, MPCA.

\* Refer to MPCA Stormwater Manual for additional information on BMP performance.

Removal factors shown are average annual TP percentage removal efficiencies intended solely for use in comparing the performance equivalence of various BMPs.

\*\* These BMPs reduce runoff volume.

\*\*\* Stormwater ponds must also provide 2.5" of dead storage as required by Section 9(d)(2).

**(d) BMP LOCATIONAL SITING.**

- (1) BMPs shall be located either on-site to treat runoff at the point of generation, or regionally within the Resource of Concern Drainage Area.
- (2) BMPs must provide infiltration where feasible. If the District concurs that infiltration BMPs are not feasible or directs that infiltration not be used (see Table C2), then any BMP may be chosen. If infiltration is feasible on-site, then a regionally sited BMP must provide equivalent runoff volume reduction.
- (3) Off-site and/or regional BMPs must be sited in the following priority order:
  - (i) In a downstream location that intercepts the runoff volume leaving the project site prior to the Resource of Concern.
  - (ii) Anywhere within the same Resource of Concern Drainage Area (see Figures C1A-C1E) that results in no greater mass of Total Phosphorus reaching the resource of concern than on-site BMPs.

**TABLE C2. SPECIFIC CONDITIONS THAT MAY RESTRICT INFILTRATION.**

Type	Specific Project Site Conditions	Required Submittals
Potential Contamination	Potential Stormwater Hotspots (PSH)	PSH Locations and Flow Paths
	Contaminated Soils	Documentation of Contamination Soil Borings
Physical Limitations	Low Permeability Soils (HSG C & D)	Soil Borings
	Bedrock within three vertical feet of bottom of infiltration area	Soil Borings
	Seasonal High Water Table within three vertical feet of bottom of infiltration area	Soil Borings High Water Table
	Karst Areas	Soil Borings
Land Use Limitations	Utility Locations	Site Map
	Nearby Wells (Private and/or Municipal) *	Well Locations

\* Refer to Minnesota Stormwater Manual or the Minnesota Department of Health for setback requirements.

- (e) Stormwater runoff from new or reconstructed impervious surface untreated for total phosphorus must be minimized, and for such runoff TSS must be removed to the maximum extent practicable. For projects other than Public Linear projects, no more than 15% of the new or reconstructed impervious surface may be left untreated. Notwithstanding, runoff from undisturbed impervious surface may be treated in lieu of treating new or reconstructed impervious surface. Total water quality treatment volume for the project must be provided in aggregate pursuant to subsections 6(c) and 6(d).
- (f) Banked “volume control” credits and debits established by public entities for Public Linear Projects with the RCWD prior to the effective date of this rule will continue to be recognized and enforced until all credits are used or all debits are fulfilled. Existing credits and debits may be used and fulfilled, respectively, anywhere within the applicant’s jurisdiction.

## **7. PEAK STORMWATER RUNOFF CONTROL.**

- (a) Peak stormwater runoff rates for the proposed project at the project site boundary, in aggregate, must not exceed existing peak runoff rates for the 2-year, 10-year and 100-year, 24-hour rainfall events, or a different critical event duration at the discretion of the District Engineer. Notwithstanding, peak runoff may be controlled to this standard in a regional facility consistent with paragraph 7(b). Aggregate compliance for all site boundary discharge will be determined with respect to runoff not managed in a regional facility.

- (b) Any increase in a critical duration flood event rate at a specific point of discharge from the project site must be limited and cause no adverse downstream impact. Table C3 shows the maximum curve numbers that may be utilized for existing condition modeling of those project site areas not covered by impervious surface.
- (c) Within the Flood Management Zone only (see Figure C2), the applicant shall provide peak rate control beyond the existing condition peak rate of runoff by reducing the peak rate to  $\leq 80\%$  of the existing condition. This requirement does not apply if runoff from the 100-year, 24-hour precipitation event will be retained on-site or if the project is a Public Linear Project.

**TABLE C3. CURVE NUMBERS FOR EXISTING CONDITION PERVIOUS AREAS.**

Hydrologic Soil Group	Runoff Curve Number *
A	39
B	61
C	74
D	80

\* Curve numbers from NRCS Technical Release #55 (TR-55).

**TABLE C4. HYDROPERIOD STANDARDS.**

Wetland Susceptibility Class	Permitted Storm Bounce for 2-Year and 10-Year Event *	Inundation Period for 2-Year Event *	Inundation Period for 10-Year Event *
Highly susceptible	Existing	Existing	Existing
Moderately susceptible	Existing plus 0.5 ft	Existing plus 1 day	Existing plus 7 days
Slightly susceptible	Existing plus 1.0 ft	Existing plus 2 days	Existing plus 14 days
Least susceptible	No limit	Existing plus 7 days	Existing plus 21 days

Source: Adapted from: Stormwater and Wetlands Planning and Evaluation Guidelines for Addressing Potential Impacts of Urban Stormwater and Snowmelt Runoff on Wetlands.

\* Duration of 24-hours for the return periods utilizing NOAA Technical Paper #40 (TP-40).

## 8. BOUNCE AND INUNDATION PERIOD.

- (a) The project must meet the hydroperiod standards found in Table C4 with respect to all down-gradient wetlands.
- (b) Wetland Susceptibility Class is determined based on wetland type, as follows:
  - (1) Highly susceptible wetland types include: sedge meadows, bogs, coniferous bogs, open bogs, calcareous fens, low prairies, coniferous swamps, lowland hardwood forests, and seasonally flooded waterbasins.
  - (2) Moderately susceptible wetland types include: shrub-carrs, alder thickets, fresh (wet) meadows, and shallow & deep marshes.

- (3) Slightly susceptible wetland types include: floodplain forests and fresh wet meadows or shallow marshes dominated by cattail giant reed, reed canary grass or purple loosestrife.
- (4) Least susceptible wetland includes severely degraded wetlands. Examples of this condition include cultivated hydric soils, dredge/fill disposal sites and some gravel pits.

## 9. DESIGN CRITERIA.

### (a) Infiltration BMPs must be designed to provide:

- (1) Adequate pretreatment measures to remove sediment before runoff enters the primary infiltration area;
- (2) Drawdown within 48-hours or 72-hours from the end of a storm event, for surface or sub-surface features, respectively. Soil infiltration rates shall be based on the appropriate HSG classification and associated infiltration rates (see Table C5). The least permeable layer of the soil boring column must be utilized in BMP calculations (see Design Criteria (e)). Alternate infiltration rates based on a recommendation and certified measurement testing from a licensed geotechnical engineer or licensed soil scientist will be considered. Infiltration area will be limited to horizontal areas subject to prolonged wetting;
- (3) A minimum of three feet of separation from the Seasonal High Water Table.
- (4) Consideration of the Minnesota Department of Health guidance document Evaluating Proposed Stormwater Infiltration Projects in Vulnerable Wellhead Protection Areas. Documentation shall be submitted to support implementation of this guidance document and will be accepted at the discretion of the District Engineer.

### (b) Water Reuse BMPs must be designed to provide:

- (1) A maximum irrigation rate of 1-inch per week over the irrigated lawn/turf grass area(s), or as approved by the District;
- (2) No greater than a 26 week (April 15<sup>th</sup> to October 15<sup>th</sup>) growing season; and
- (3) No increase in stormwater runoff from the irrigated area or project site.

The amount of water quality treatment volume credit given will be based upon the three year average of the volume irrigated, determined by the average of three years of monitoring records;

### (c) Biofiltration/filtration BMPs must be designed to provide:

- (1) Adequate pretreatment measures to remove sediment before runoff enters the primary biofiltration area;



- (2) Drawdown within 48-hours or 72-hours from the end of a storm event, for surface or sub-surface features, respectively;
- (3) A minimum of 12-inches of organic material or sand above the rock trench or drintile system; and
- (4) Drain tile system must be designed above the Seasonal High Water Table.

**TABLE C5. SOIL TYPE AND INFILTRATION RATES.**

Hydrologic Soil Group	Soil Textures	Corresponding Unified Soil Classification		Infiltration Rate (in/hr)
<b>A</b>	Gravel Sand Sandy Gravel Silty Gravel Loamy Sand Sandy Loam	<b>GW</b>	Well-graded gravel or well-graded gravel with sand	<b>1.6</b>
		<b>GP</b>	Poorly graded gravel or poorly graded gravel with sand	
		<b>GM</b>	Silty gravel or silty gravel with sand	<b>0.8</b>
		<b>SW</b>	Well-graded sand or well-graded sand with gravel	
		<b>SP</b>	Poorly graded sand or poorly graded sand with gravel	
<b>B</b>	Loam Silty Loam	<b>SM</b>	Silty sand or silty sand with gravel	<b>0.6</b>
		<b>ML</b>	Silt	<b>0.3</b>
		<b>OL</b>	Organic silt or organic silt with sand or gravel or gravelly organic silt	
<b>C</b>	Sandy Clay Loam	<b>GC</b>	Clayey gravel or clayey gravel with sand	<b>0.2</b>
		<b>SC</b>	Clayey sand or clayey sand with gravel	
<b>D</b>	Clay Clay Loam Silty Clay Loam Sandy Clay Silty Clay	<b>CL</b>	Lean clay or lean clay with sand or gravel or gravelly lean clay	<b>&lt; 0.2</b>
		<b>CH</b>	Fat clay or fat clay with sand or gravel or gravelly fat clay	
		<b>OH</b>	Organic clay or organic clay with sand or gravel or gravelly organic clay	
		<b>MH</b>	Elastic silt or elastic silt with sand or gravel	

Source: Adapted from Table 12.BIO.8 from the Minnesota Stormwater Manual, MPCA.

- (d) Stormwater ponds must be designed to provide:
  - (1) Water quality features consistent with NURP criteria and accepted design standards for average and maximum depth;

- (2) A permanent wet pool with dead storage at least equal to the runoff volume from a 2.5-inch rainfall over the area tributary to the pond;
  - (3) An outlet structure capable of preventing migration of floating debris and oils for at least the one-year storm;
  - (4) An identified emergency overflow spillway sufficiently stabilized to convey flows for the 100-year critical storm event; and
  - (5) An outlet structure to control the 2-year, 10-year & 100-year frequency events.
- (e) Soil borings (utilizing ASTM D5921 and D5879, as amended) shall be considered for design purposes, and provided to the District, for each proposed BMP. The soil borings must be taken to a depth of at least 5 feet below the bottom of the proposed feature.
- (f) An outfall structure discharging directly to a wetland, public water or public water wetland must incorporate a stilling-basin, surge-basin, energy dissipater, placement of ungrouted natural rock riprap or other feature to minimize disturbance and erosion of natural shoreline and bed resulting from stormwater discharges. Where feasible, outfall structures are to be located outside of the natural feature.

**TABLE C6. LOW FLOOR AND LOW ENTRY FREEBOARD REQUIREMENTS.**

Freeboard	Regional Flood Elevations		Detention Basins, Wetlands & Stormwater Ponds		Infiltration and Biofiltration Basins			Rain Gardens *
	100-yr	EOF	100-yr	EOF	Bottom	100-yr	EOF	EOF
<b>Low Floor</b>	2.0 ft	1.0 ft	0.0 ft	NA	0.0 ft	NA	NA	NA
<b>Low Entry</b>	NA	NA	2.0 ft	1.0 ft	NA	2.0 ft	1.0 ft	0.5 ft

\* Rain gardens are “off-line” infiltration or bio-filtration basins.

- (g) All new residential, commercial, industrial and other habitable or non-habitable structures, and all stormwater BMPs, must be constructed so that the lowest floor and lowest entry elevations comply with Table C6.

The low entry freeboard criterion of Rule C.9(f) may be deemed met when the structure does not have the required vertical separation, but is protected from surface flooding to the required elevation by a berm or other natural or constructed topographic feature capable of providing flood protection.

Within a landlocked basin, minimum low floor elevations must be at least one foot above the surveyed basin run out elevation. Where a structure is proposed below the run out elevation of a land-locked basin, the low floor elevation will be a minimum of two feet above the highest water level of either the 10-day snowmelt event or back-to-back 100-year, 24-hour rainfalls. Aerial photos, vegetation, soils,

and topography may be used to derive a "normal" water elevation for the purpose of computing the basin's 100-year elevation.

- (h) All stormwater management structures and facilities must be designed for maintenance access and be properly operated and maintained in perpetuity to assure that they continue to function as designed. The maintenance responsibility must be memorialized in a document executed by the property owner in a form acceptable to the District and filed for record on the deed. Alternatively, a public permittee may meet its perpetual maintenance obligation by executing a programmatic or project-specific maintenance agreement with the District. Regional ponds owned by public entities that are only used to meet the rate control requirements of the District rule do not need a maintenance agreement with the District.
- (i) Before work under the permit is deemed complete, the permittee must submit as-built plans demonstrating that at the time of final stabilization, stormwater facilities conform to design specifications.

#### **10. EASEMENTS.**

- (a) Before permit issuance, the permittee must, submit a copy of any plat or easement required by the local land use authority establishing drainage or flowage over stormwater management facilities, stormwater conveyances, ponds, wetlands, on-site floodplain up to the 100-year flood elevation, or any other hydrologic feature.
- (b) Before permit issuance, the permittee must convey to the District an easement over the public drainage system specifying a District right of maintenance access over the following minimum widths:
  - (1) For tiled/piped systems, 66 feet wide perpendicular to the direction of flow, centered on the tile line or pipe;
  - (2) For open channel systems, a variable width perpendicular to the direction of flow, to include the open channel itself and all areas within 16.5 feet from the top of the ditch bank.
- (c) Public Linear Projects are exempt from the public drainage system easement requirement of Section 10(b).
- (d) For projects within the District's Comprehensive Wetland Protection and Management Plan (CWMP) areas, the Wetland Management Corridor (WMC) boundary delineation, buffer and easement requirements found at Rule F.6 apply. As stated in Rule F.5(e), Public Linear Projects are not subject to the requirements of Rule F.6.

#### **11. REQUIRED EXHIBITS.** The following exhibits must accompany the permit application. One set, full size (22 inches by 34 inches) and one reduced (maximum size of 11 inches by 17 inches) or electronic version.

- (a) An erosion & sediment control plan and, for projects that require an NPDES permit, a Storm Water Pollution Prevention Plan.

- (b) Property lines and delineation of lands under ownership of the applicant.
- (c) Delineation of the subwatershed contributing runoff from off-site, proposed and existing subwatersheds onsite, emergency overflows, and drainageways.
- (d) Geotechnical analysis including soil borings at all proposed stormwater management facility locations utilizing ASTM D5921 and D5879, as amended.
- (e) Proposed and existing stormwater facilities' location, alignment and elevation.
- (f) Delineation of existing on-site wetland, marshes and floodplain areas.
- (g) Identification of existing and proposed normal, ordinary high and 100-year water elevations on-site.
- (h) Identification of existing and proposed contour elevations within the project site related to NGVD, NAVD 88.
- (i) Construction plans and specifications of all proposed stormwater management facilities, including design details for outlet control structures.
- (j) Stormwater runoff volume and rate analyses for the 2- 10- and 100-year critical events, existing and proposed conditions utilizing NOAA Technical Paper #40 (TP-40) as amended.
- (k) All hydrologic, water quality and hydraulic computations completed to design the proposed stormwater management facilities.
- (l) Narrative including a project description, discussion of BMP selection, and revegetation plan for the project site.
- (m) Other project site-specific submittal requirements as may be required by the District.

## **12. EXCEPTIONS.**

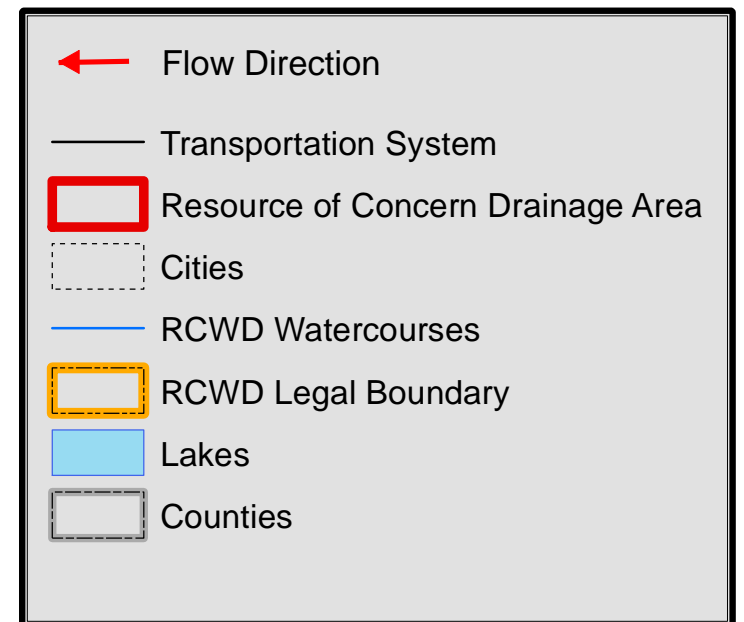
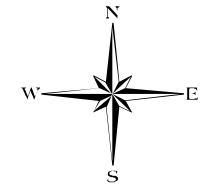
- (a) Rate control criteria of Section 7 may be waived if the project site discharges directly to a water body with large storage capacity (such as a public water), the volume discharged from the project site does not contribute to a downstream flood peak, and there are no downstream locations susceptible to flooding.
- (b) Section 6 and Section 7 are waived for a portion of a project that paves a gravel roadway if the right-of-way ditch is maintained and does not discharge a concentrated flow directly to a wetland or another sensitive water body.

## **13. EXTENDED PERMIT TERM AND REGIONAL FACILITIES FOR NON-RESIDENTIAL PHASED DEVELOPMENT.**

- (a) The District will not apply an intervening rule change so as to deny a parcel water quality, abstraction and peak flow capacity in regional facilities allocated to it in a District – issued area development permit, provided that:

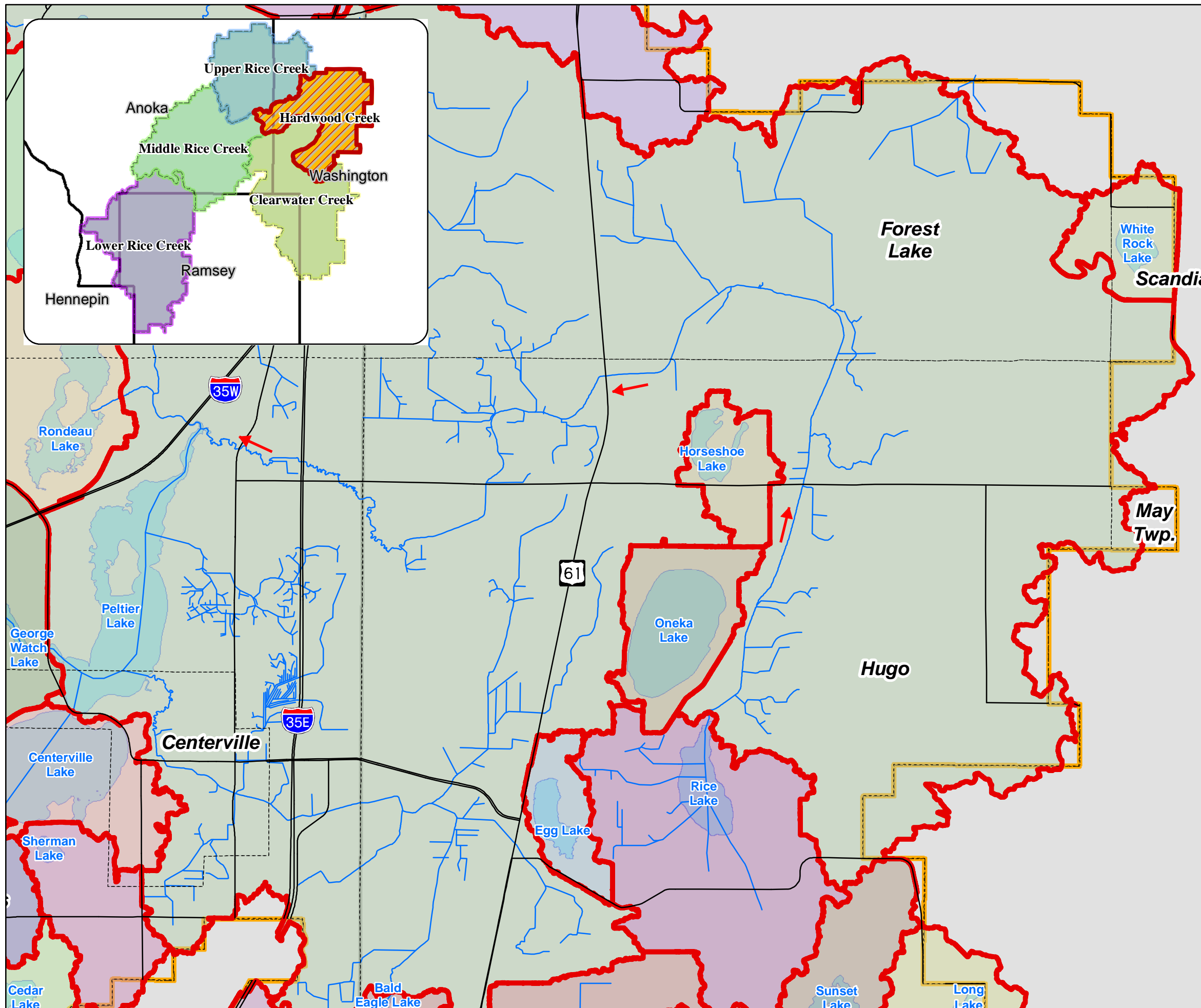
- (1) the District permit provided for construction of those facilities to serve identified multiple parcels within the area development; and,
  - (2) the stormwater management facilities have been constructed in accordance with the permit.
- (b) Subsection (a) will not apply if, on the basis of new knowledge or information, the District makes written findings that use of the regional facilities would have a material adverse impact on a water quality, flood management or other specific public interest.
- (c) Unless the area development permit explicitly states otherwise, development on an individual parcel will require a permit in accordance with District rules at the time of parcel development. Except as stated in subsection (a), parcel development will be subject to standards in effect at the time of permitting. As a result, a permittee may be required to provide for stormwater management in addition to that provided by the regional facilities.
- (d) Subsection (a) will apply only to parcel development permits issued within 10 years of the area development permit issuance date.
- (e) For subsection (a) to apply, an applicant must demonstrate that the owner of the regional facilities assents to applicant's proposed use; the facilities are subject to a legal maintenance obligation in favor of the District; and facility maintenance conforms to the terms of that obligation.
- (f) In its judgment, the District may issue a permit for phased development on a single parcel or contiguous parcels under common ownership with a permit term of up to 10 years, for which period the development will not be subject to an intervening rule change. Any phased development permit with an extended term must state the design criteria to which subsequent development under the permit must conform in order to receive the protection of this paragraph.
- (g) This section applies to area development permits issued before the section's effective date. If a phased development permit is in effect as of this section's effective date, on application the District will extend the permit expiration date in accordance with subsection (f), above. For such prior-issued permits, the requirement that the permit state design criteria is relaxed. However, the applicant bears the burden to submit all data necessary to demonstrate that the criteria of this section are met, including the design and constructed capacity of the facilities and the allocation of that capacity to applicant's parcel.
- (h) If a phased development permit was issued less than 10 years before the effective date of this section but expired before that date, applications for subsequent development phases will be considered in the same manner as applications for parcel development under this section.

# Rice Creek Watershed District

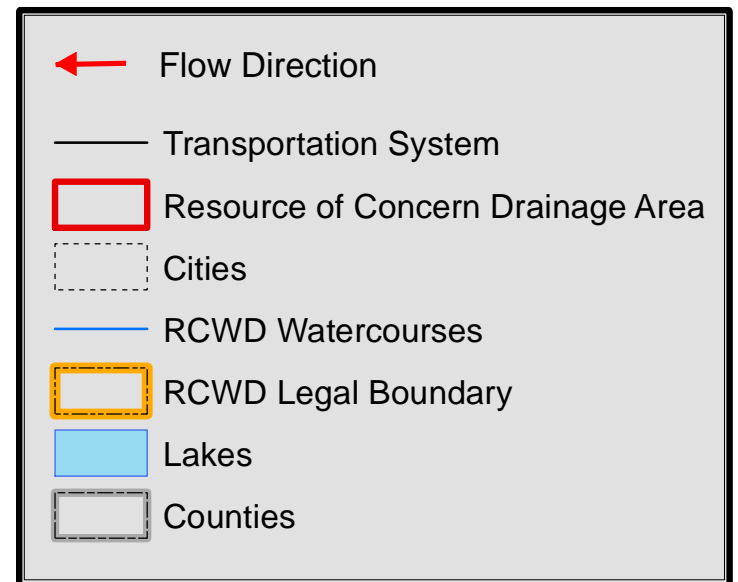
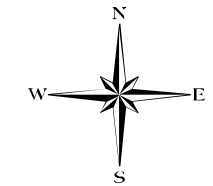


Sources: RCWD, TLG, MN DOT

**C1A: Resources of Concern  
Drainage Area of Hardwood Creek**

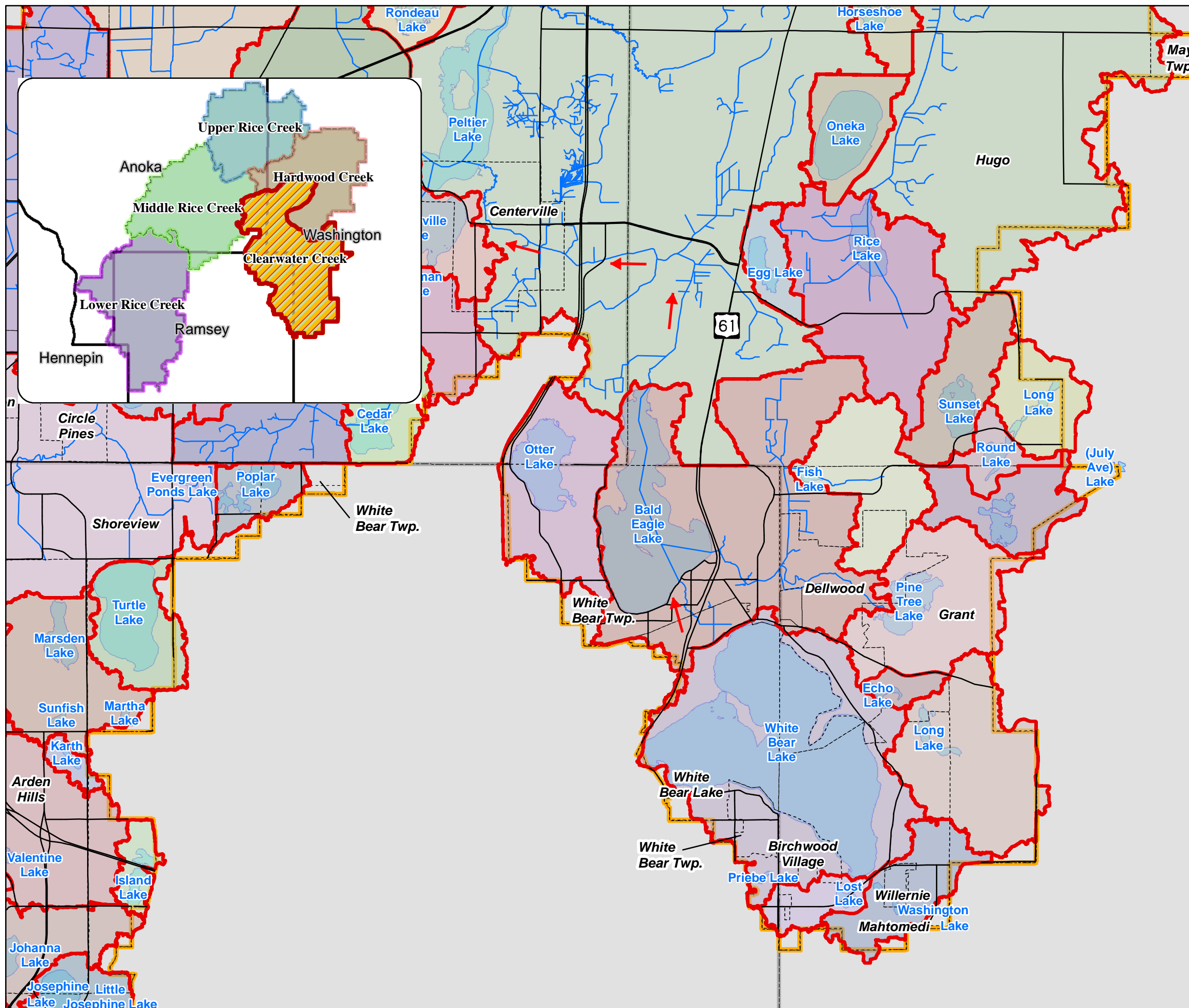


# Rice Creek Watershed District



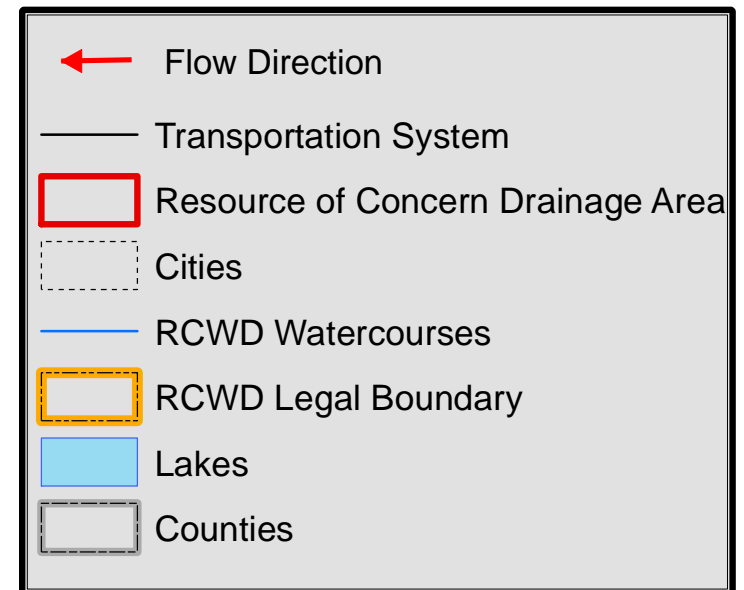
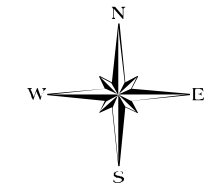
Sources: RCWD, TLG, MN DOT

**C1B: Resources of Concern  
Drainage Area of Clearwater Creek**



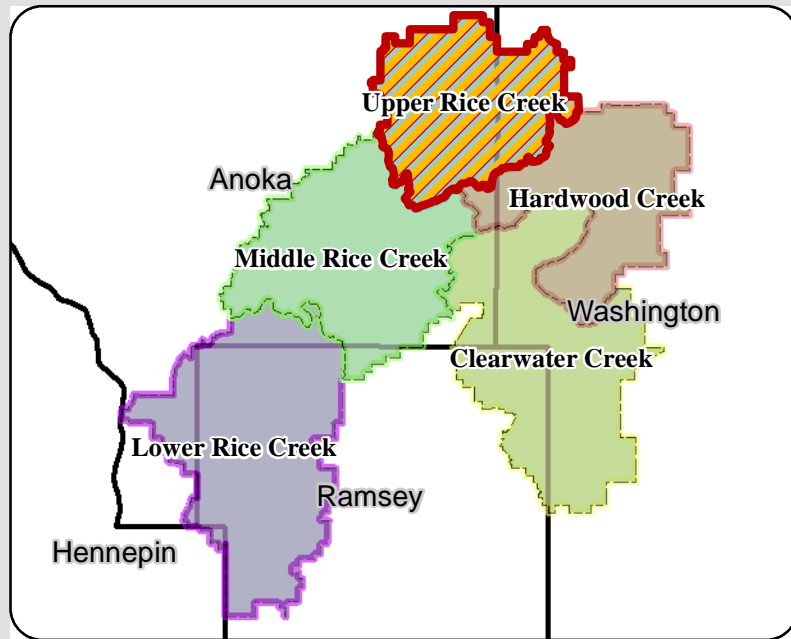
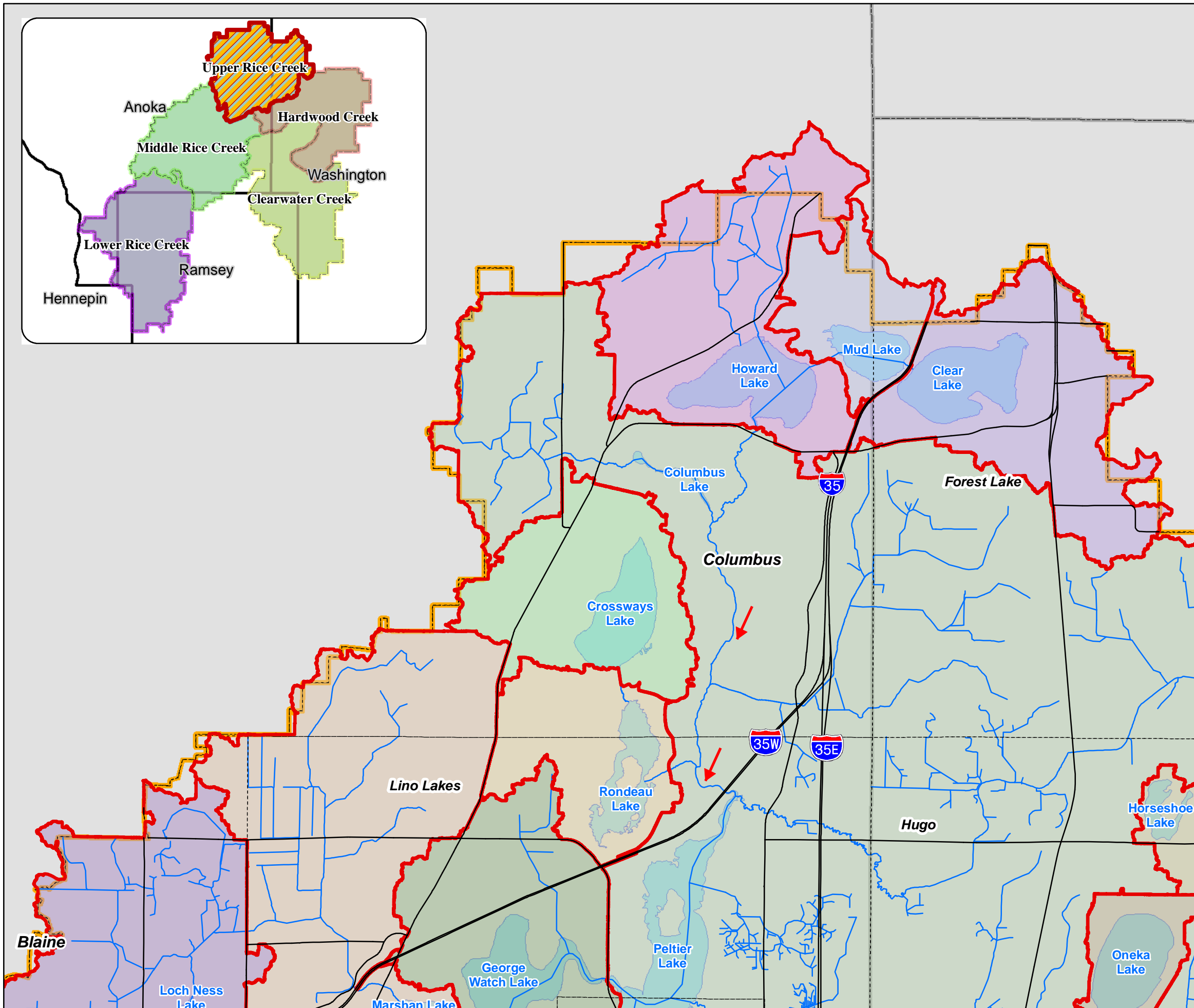


# Rice Creek Watershed District



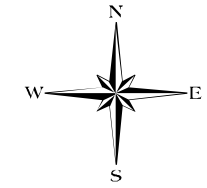
Sources: RCWD, TLG, MN DOT

**C1C: Resources of Concern  
Drainage Area of Upper Rice Creek**





# Rice Creek Watershed District



Flow Direction

Transportation System

Resource of Concern Drainage Area

Cities

RCWD Watercourses

RCWD Legal Boundary

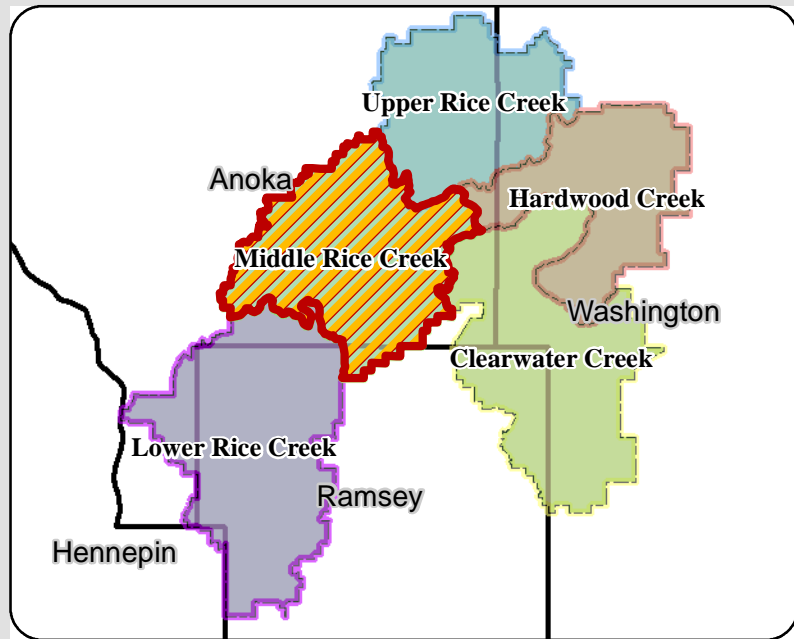
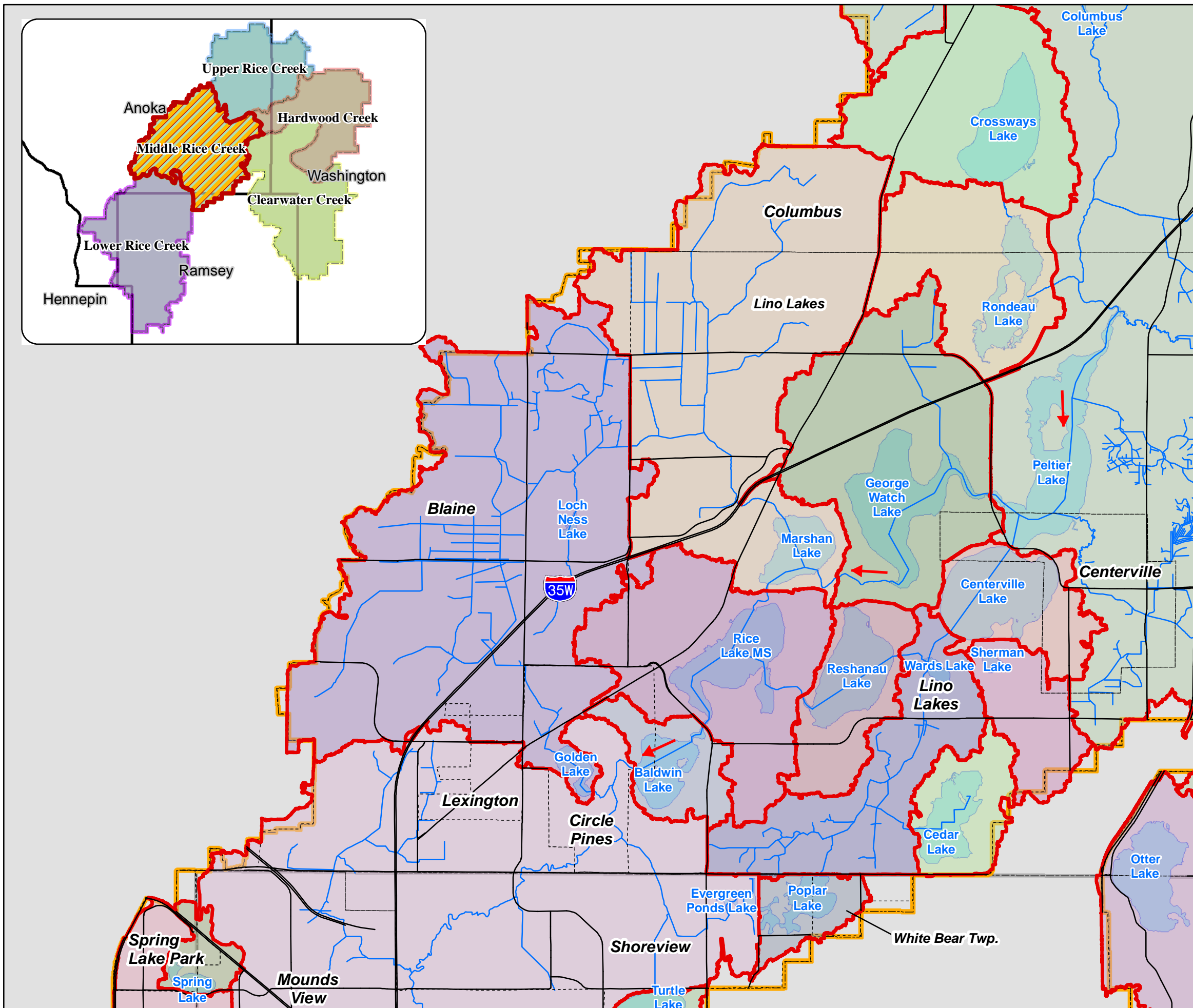
Lakes

Counties

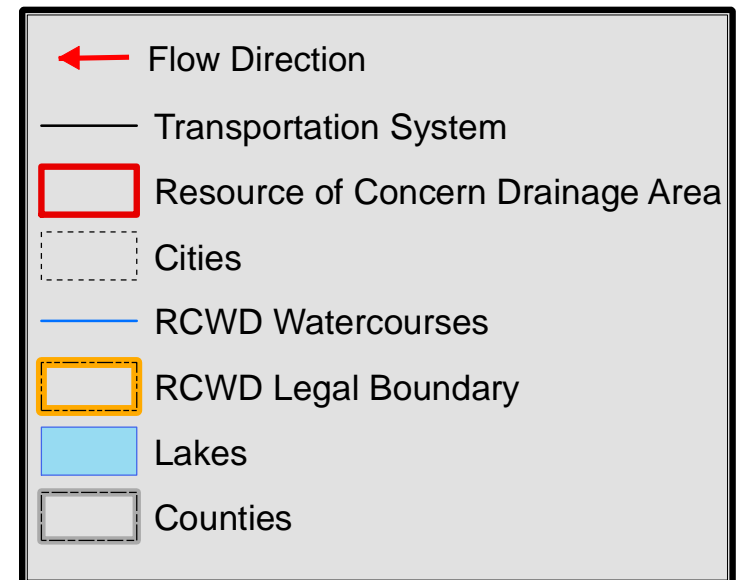
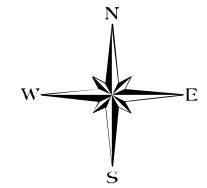


Sources: RCWD, TLG, MN DOT

**C1D: Resources of Concern  
Drainage Area of Middle Rice Creek**

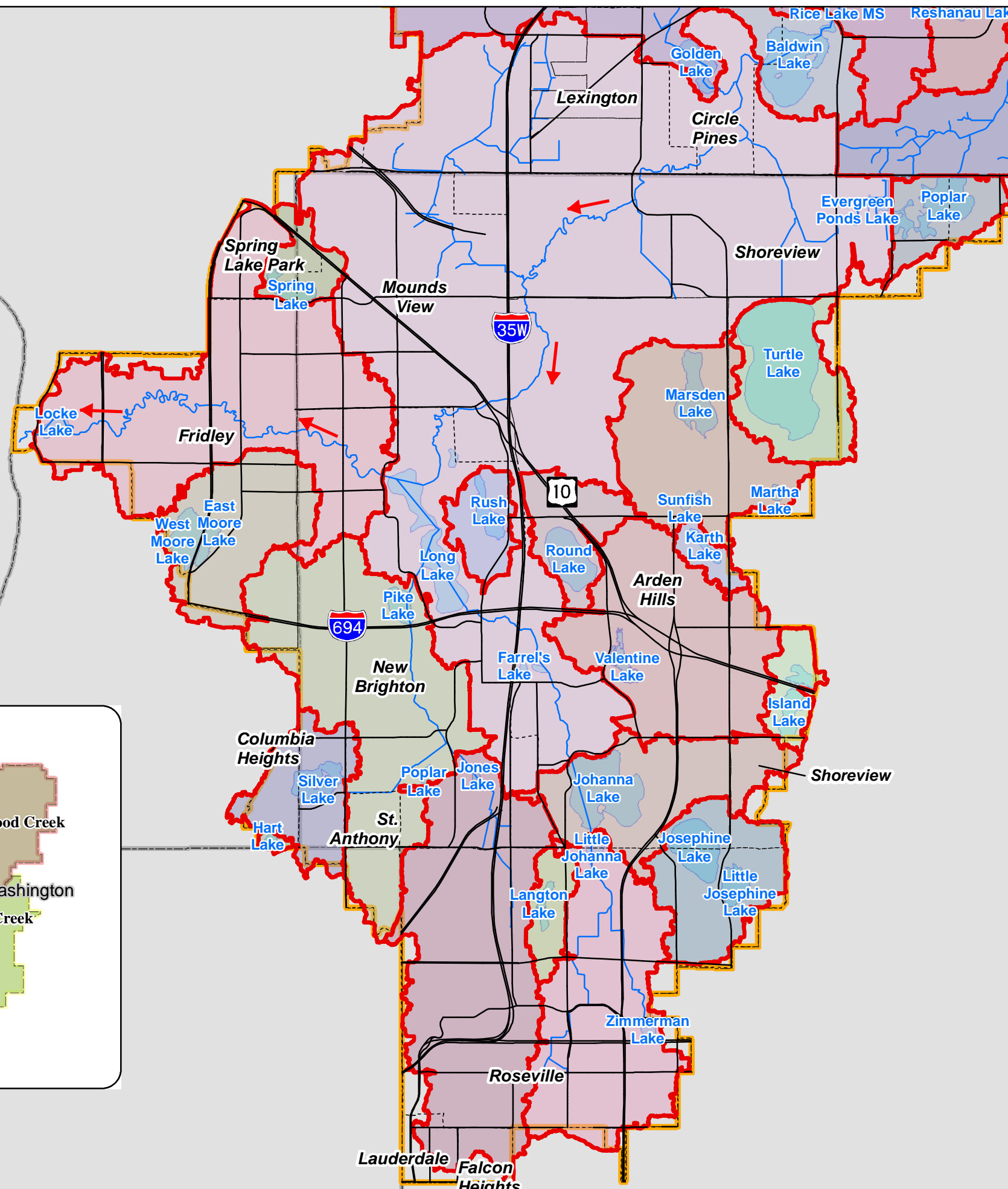
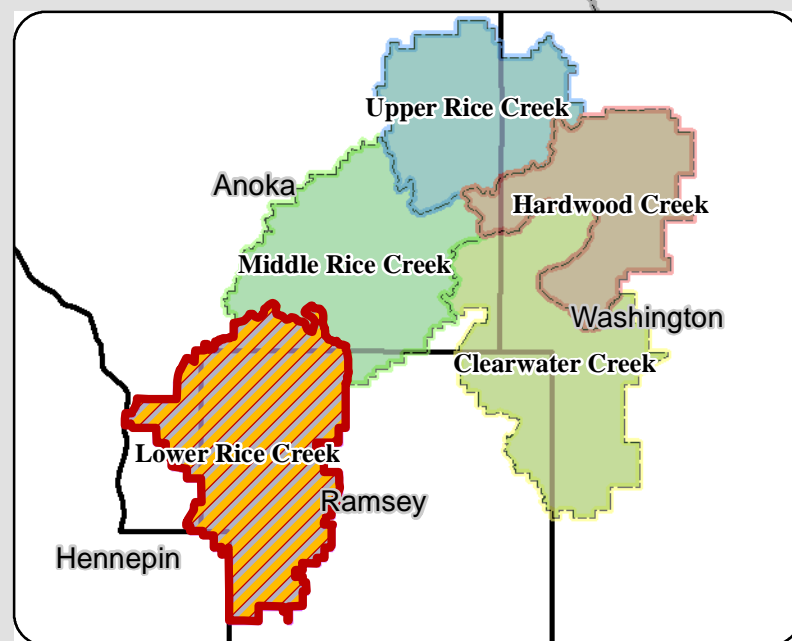


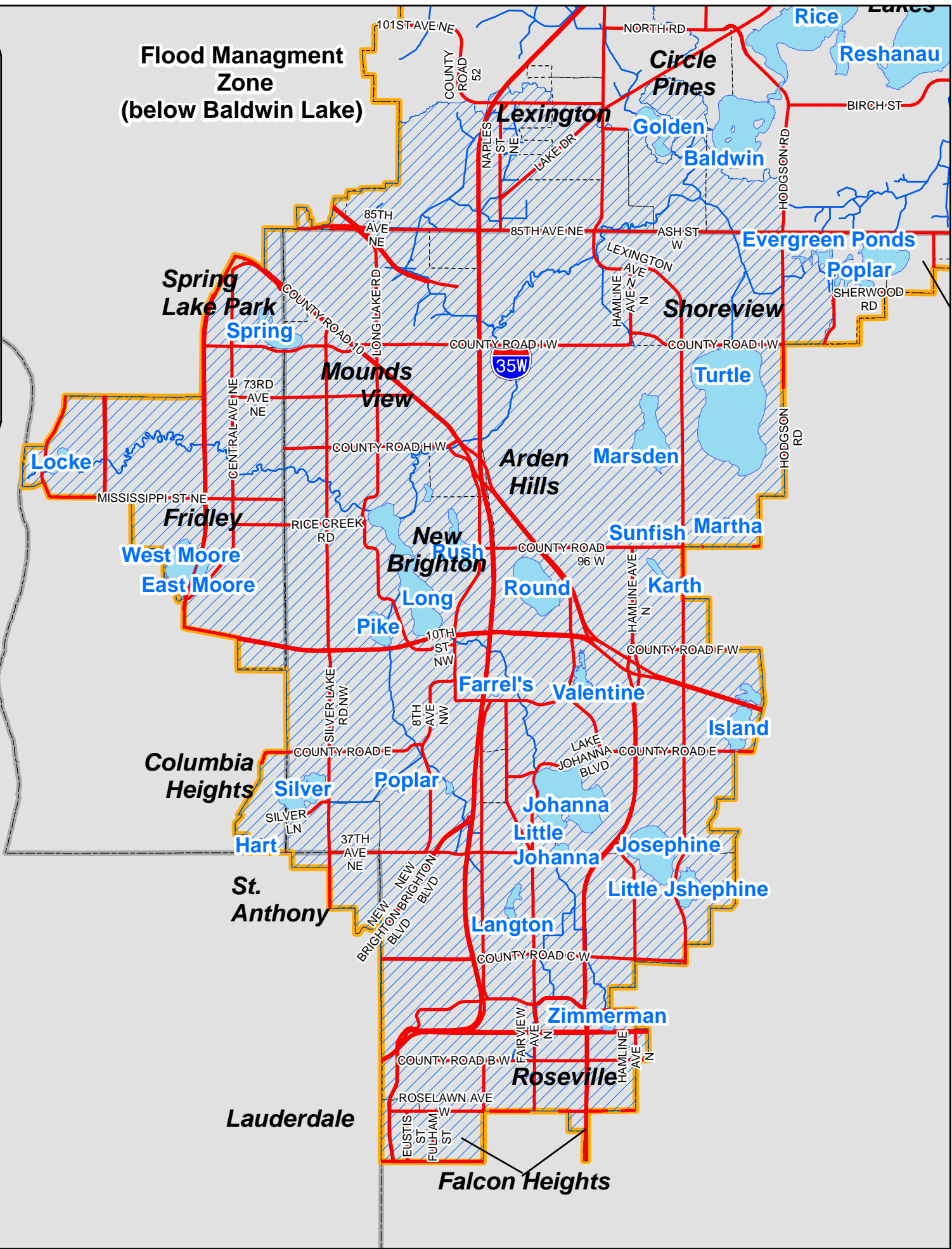
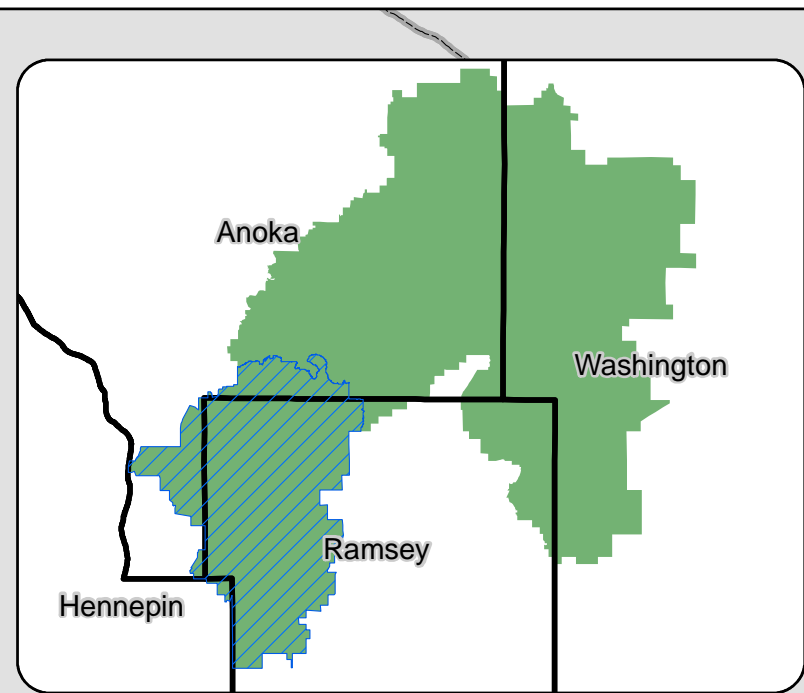
# Rice Creek Watershed District



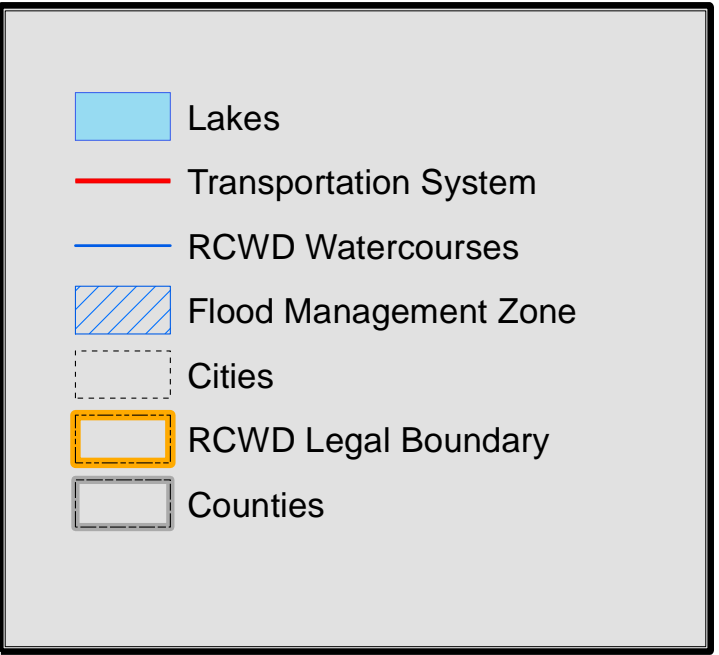
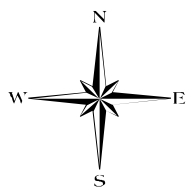
Sources: RCWD, TLG, MN DOT

**C1E: Resources of Concern  
Drainage Area of Lower Rice Creek**





# Rice Creek Watershed District



Sources: RCWD, TLG, MN DOT

C2: Flood Management Zone





## TMDL Wasteload Allocation Excel Spreadsheet PART II.D.6.a.-e.

Copy and paste from the Master List MS4 TMDL Spreadsheet for your MS4 to the space below.

Attach this completed form with your SWPPP Document at the time of submittal. At a **minimum**, provide all of the information "" items (TMDL Project Name, Type of WLA, WLA, Unit, Flow Condition, and Pollutant of Concern).

Permittee name	Preferred ID	TMDL project name*	Waterbody ID	Type of WLA*	WLA*	Unit*	Percent reduction	Flow condition*	Waterbody name	Pollutant of concern*	Date approved
Rice Creek Watershed District	MS400193	Golden Lake TMDL	02-0045	Categorical	0.38	lbs/day		N/A	Golden Lake	Phosphorus	9/30/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-596	Categorical	413	lbs/day		High	Hardwood Creek, Hwy 61 to Peltier Lk	TSS	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-596	Categorical	100	lbs/day		Moist	Hardwood Creek, Hwy 61 to Peltier Lk	TSS	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-596	Categorical	38	lbs/day		Mid-Range	Hardwood Creek, Hwy 61 to Peltier Lk	TSS	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-596	Categorical	17	lbs/day		Dry	Hardwood Creek, Hwy 61 to Peltier Lk	TSS	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-596	Categorical	6	lbs/day		Low	Hardwood Creek, Hwy 61 to Peltier Lk	TSS	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-595	Categorical	104	lbs/day		High	Hardwood Creek, Headwaters to Hwy 61	Biochemical Oxygen Demand	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-595	Categorical	25	lbs/day		Moist	Hardwood Creek, Headwaters to Hwy 61	Biochemical Oxygen Demand	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-595	Categorical	10	lbs/day		Mid-Range	Hardwood Creek, Headwaters to Hwy 61	Biochemical Oxygen Demand	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-595	Categorical	5	lbs/day		Dry	Hardwood Creek, Headwaters to Hwy 61	Biochemical Oxygen Demand	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-595	Categorical	2	lbs/day		Low	Hardwood Creek, Headwaters to Hwy 61	Biochemical Oxygen Demand	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-596	Categorical	104	lbs/day		High	Hardwood Creek, Hwy 61 to Peltier Lk	Biochemical Oxygen Demand	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-596	Categorical	25	lbs/day		Moist	Hardwood Creek, Hwy 61 to Peltier Lk	Biochemical Oxygen Demand	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-596	Categorical	10	lbs/day		Mid-Range	Hardwood Creek, Hwy 61 to Peltier Lk	Biochemical Oxygen Demand	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-596	Categorical	5	lbs/day		Dry	Hardwood Creek, Hwy 61 to Peltier Lk	Biochemical Oxygen Demand	6/18/2009
Rice Creek Watershed District	MS400193	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	07010206-596	Categorical	2	lbs/day		Low	Hardwood Creek, Hwy 61 to Peltier Lk	Biochemical Oxygen Demand	6/18/2009

## Compliance Schedule PART II.D.6.f.-g.

Is your MS4 currently meeting its WLA for any approved TMDLs?

- ☐ No (Proceed to Table 1)  
☒ Yes (Provide the following information below)

If yes, indicate the WLAs (may be grouped by TMDL Project) you believe are reasonably being met. For each WLA, list the implemented BMPs and provide a narrative strategy for the long-term continuation of meeting each WLA. PART II.D.6.g.(1)-(2)

**- Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL (07010206-595, Hwy 61 to Peltier Lk): Biochemical Oxygen Demand**

The low dissolved oxygen levels in this headwater reach, and the resulting biota impairment was determined to be the result of natural conditions. The WLA identified for this reach is no longer applicable. The RCWD will continue to implement the ditch maintenance BMPs in Appendix D of the TMDL Report to ensure that future ditch maintenance activities minimize impacts to Hardwood Creek. From the Hardwood Creek TMDL:

"However, on April 12, 2005, the MPCA split Hardwood Creek into two reaches: upstream from Highway 61 (8.33 miles) and downstream of Highway 61 (5.05 miles) based on technical information presented in the document entitled "Request to MPCA Professional Judgment Group to split Hardwood Creek into two reaches at Highway 61" (Appendix A). The upper stretch of Hardwood Creek (from Rice Lake to Highway 61) has naturally occurring low DO due to the release of organics from underlying peat deposits and poorly oxygenated groundwater. Upon analyzing groundwater, surface water, and biological data, it was determined that changes in land use activities or changing the stream configuration could not achieve DO levels that would be above the Minnesota Class 2B standard of 5 milligrams per liter (mg/L) for this upper section of the creek. Because the case has been made that DO levels in the upper portion of the creek can only be expected to meet natural background conditions, the MPCA delisted the upper portion of the creek for the fish IBI."

The TMDL WLAs for the reach of Hardwood Creek downstream of Highway 61 (07010206-596) still apply.

**Table 1**

Fill in the following table with your Interim Milestones, BMP IDs, and Implementation Dates. Replace "TMDL Project Name & Pollutant" Columns with each TMDL Project Name and the corresponding pollutant. Then put an "X" in the boxes for the TMDL that corresponds with each BMP. PART II.D.6.f.(1)-(2)

**NOTE:**

It is recommended to assign each Interim Milestone (BMP) a BMP ID. You will be required to report on the status of each Interim Milestone and include a BMP ID for all structural BMPs as part of the MS4 Annual Report (see Part III.E.), so including those ID numbers at the time of application may be useful in tracking implementation efforts. If a pond that will be included in the pond inventory (Part III.C.2.) is to be applied toward a WLA, use the same ID for both the pond inventory and TMDL tracking. Non-structural BMPs are not required to have an ID, but it may be useful to assign it an ID for internal MS4 recordkeeping.

MPCA recommends the Implementation Dates align with the submittal of MS4 Annual Reports. Dates selected may not reflect the actual date a BMP is implemented, but shall indicate a BMP will be implemented on that date or before for that reporting year.

Interim Milestone (Best Management Practice)	BMP ID	Implementation Date	Golden Lake TMDL: Phosphorus	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL: Biochemical Oxygen Demand	Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL: TSS
Implement RCWD Rules 2014	RCWD-001	12/31/2014	X	X	X
Implement RCWD Rules 2015	RCWD-001	12/31/2015	X	X	X
Implement RCWD Rules 2016	RCWD-001	12/31/2016	X	X	X
Implement RCWD Rules 2017	RCWD-001	12/31/2017	X	X	X
Implement RCWD Rules 2018	RCWD-001	12/31/2018	X	X	X
Implement Ditch Maintenance BMPs in Hardwood Creek TMDL Appendix D 2014	RCWD-002	12/31/2014		X	X
Implement Ditch Maintenance BMPs in Hardwood Creek TMDL Appendix D 2015	RCWD-002	12/31/2015		X	X
Implement Ditch Maintenance BMPs in Hardwood Creek TMDL Appendix D 2016	RCWD-002	12/31/2016		X	X
Implement Ditch Maintenance BMPs in Hardwood Creek TMDL Appendix D 2017	RCWD-002	12/31/2017		X	X
Implement Ditch Maintenance BMPs in Hardwood Creek TMDL Appendix D 2018	RCWD-002	12/31/2018		X	X
Continue promotion of RCWD Water Quality BMP Cost-Share Program 2014	RCWD-003	12/31/2014	X	X	X
Continue promotion of RCWD Water Quality BMP Cost-Share Program 2015	RCWD-003	12/31/2015	X	X	X
Continue promotion of RCWD Water Quality BMP Cost-Share Program 2016	RCWD-003	12/31/2016	X	X	X
Continue promotion of RCWD Water Quality BMP Cost-Share Program 2017	RCWD-003	12/31/2017	X	X	X
Continue promotion of RCWD Water Quality BMP Cost-Share Program 2018	RCWD-003	12/31/2018	X	X	X
Pursue funding for Iron-Enhanced Sand Filter Pond Retrofit	GL-5IESF	12/31/2014	X		

Install Iron-Enhanced Sand Filter Pond Retrofit	GL-5IESF	12/31/2016	X		
Anoka County Ditch 53-62 Branch 1 Repair	ACD53-62B1	12/31/2015	X		

**Strategies for continued BMP implementation beyond the term of this permit. PART II.D.6.f.(3)**

The RCWD routinely works with its partners to explore opportunities to retrofit BMPs in the watersheds of each TMDL to maximize their pollutant removal capacity. RCWD Rule C also implements a 1.1 inch volume control standard from all newly created impervious surfaces with any new development or redevelopment projects. Public linear projects have a 0.75 inch volume control standard. The RCWD evaluates options for BMP implementation on an on-going basis (short-term) and also as part of its Capital Improvement Planning processes during Watershed Plan Revisions every ten years (long-term).

**Table 2**

**Target dates the applicable WLA(s) will be achieved. PART II.D.6.f.(4)**

TMDL Project	Target Date to Achieve WLA
Golden Lake TMDL	2028
Hardwood Creek Impaired Biota and Dissolved Oxygen TMDL	2028



## Municipal Separate Storm Sewer System (MS4) Program

Doc Type: Plans/Specifications/Maps

Page 1 of 13